

TABLE 1

Seq. ID No.	Decoder (5'-3')
17	GGCTGGTTCGGCCCGAAAGCTTAG
18	GTTCCCACTGAAGCTGCGATCTGG
19	TACTTGGCATGGAATCCCTTACGC
20	ACTAGCATATTTTCAAGGACCCGGC
21	GAACGGTCAATGAACCCGCTGTGA
22	GCGGCCTTGTTCAATATGAATCG
23	GATCGTTAGAGGGACCTTGCCCGA
24	TGGACCTAGTCCGGCAGTGACGAA
25	ATAAACTACCCAGGACGGGCGGAA
26	CATCGGTTTCGCGCCAATCCAGATA
27	GTCGGGCATAGAGCCGACCACCCT
28	CTTGGGTCATGATTACCGTGCTA
29	TGCCTAACGTGCTAATCAGCAGCG
30	CGCATGTTGGAGCATATGCCCTGA
31	AGCCACTGCATCAGTGCTGTTCAA
32	GGTTGTTTTGAGGCGTCCCACACT
33	TCGACCAAGAGCAAGGGCGGACCA
34	GACATCGCTATTGCGCATGGATCA
35	GAAATACGAAGTCTGCGGGAGTCG
36	TGTCATGAATGATTGATCGCGCGA
37	ATATCGGGATTTCGTTCCCGGTGAA
38	GCGAGCGTACCGAAGGGCCTAGAA
39	TTACCGGCAGCGGACTTCCGAATT
40	GTAATCGAGAGCTGCGCGCCGTCT
41	TCCCTGAGGTCGGAAGCTTCCGAC
42	CCTGTTAGCGTAGGCGAGTCGATC
43	TAGCGGACCGGCAGAATGAGTTCC
44	GGTACATGCACTACGCGCACTCGG
45	AATTCATCTCGGACTCCCGCGGTA
46	GCCAAATCTGGATTGGCAGGAATG
47	TGCATTTTCGGTTGAGGCACATCC
48	CCGCTCAATTCACCATGCTTCGCT
49	CTCGGAAAGGTGCAACTTTGGTGT
50	AATTCGACCAGCAGAACGTCCCAT
51	GCCAGAGTCTCAACCTCACGGGAT
52	CCAACAACCTGGAACGGGAACCCGC
53	GAGAACTGATCGCTGAGGGGCATG
54	GGCACACTAGACTTGTGGCACCGA

55	CTTGGGCAAACGCTTCAGCCACAA
56	TCACATCCAAATATGGTCCGCGAA
57	GTCTGCCGGTGTGACCGCTTCATT
58	CATCGCAGAGCATAAACACCCTCA
59	GTTGGTATCTATGGCAGAGGCGGA
60	ACGAGGTGCCGCTGAGGTTCCATT
61	GGAATGAGTGGACCCAGGCACATT
62	TGTCAATATGCGTCCGTGTCGTCT
63	TGATGAGCCTCAGGGTACGAGGCA
64	CACCGCGGTGTTCTACAGAATGA
65	TTGTTGCCAATGGTGTCCGCTCGG
66	TTAACCTGCGTCTGCCCTTTCCT
67	AGGCGCGTTCCTGCCCTTAGTGACG
68	TAGGGCGATGGCACGAAGCTTCAA
69	TGCATAGAGCCAAAGTCGGCGATG
70	TTGAGAGGCAGGTGGCCACACGGA
71	TCCGCATTGTGAGAAAAACGAGC
72	GGCGGTTTCCGTAGCTATAGGTGC
73	GGTGAAAATTTCTAGCCACGGGC
74	CCGACGGAGGATGAAGACAATCAC
75	CCAGTTTGGCCCAATTCGCCAAAA
76	GGATCTATTAGGCCGTGCGCACAG
77	CGGATGTCACCGTTTGGACTTTCA
78	ATCGCAAATCCTGCTCGTCCCTAA
79	CAGGGCATGCAATAATCGAGGTTT
80	CATGCGTTGATATATGGGCCCAAG
81	CAGCTGCAGCTTGTGACCAACCAC
82	TTGTATGTCTGCCGACCGGCGACC
83	GATGGCGCCCGTTGATAGGTATGG
84	ATGAGAATCGCCGGCAATCTGCTA
85	ATTTGCACTGACCGCAGGCTCGTG
86	CAGGGAGAACGGTTAAGTTCCCGT
87	AGGCCGGCGATCGAGGAGTTTGGT
88	ACACGGTGGTCTCTGATAGCGACC
89	GTGCAACGCCGAGGACTTCCATCA
90	TCGGTGCTGATAGCCATTCCGAT
91	TGAAATACCACACAGCCAATTGGC
92	GCATCGTGTACATGACTGCCGCGA
93	CAGTGTTCTAACGGCGCGCGTGAA
94	CGCTTGCAACGTTGCACCTACTCT
95	CGAAAACTAGTGGGCTCGCCGCG
96	CTTTCAGGGGAACTGCCGGAGTCG

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97	TTGTGGCCTTCTTGTAAGGCACG
98	TCCACGAACGGCGACCCGTTGTCT
99	CGACCTTGACGAAACCTAACGAG
100	GTGCAGCTTCACGAGCCAGCCTGA
101	CGCTTTCTGTGCGAATAGACGATGA
102	TGCGCTTACAGGCTCCTAGTGGTC
103	CACGCGCTTAGTCGCGATCGCATA
104	CGGAGGGAGGGAGCTAGCCTTCGA
105	GCATCCGGCCTGTTGATGACGCCT
106	AGGCCAATCGATCTTATTGCCGAG
107	CCTTCCAATGATTGCATACGCCCA
108	AACACTTGATCAGGCGGGTCTGTCT
109	TGGAATCAAGGCCGTAAAGGACAG
110	GCTCCCGTAACCTGTCCACCAGTG
111	AGTGGTGAATGGCCGCTACCCTGA
112	TGTTGAAGCGAGCTAAAACGGCCA
113	CAGCGCTCCAGAATTGACAGCAAT
114	AAGGTGGTGCCATTCATTTGGCTA
115	CGTTAAACCGCAATCCGTTCCGGCT
116	TGTCTTCCACCTCGAAGGTTTCCA
117	CACGAGATACCGGCGTAAGGGTGG
118	CTACGGCAAACGTGTGGAATGGGT
119	GTAGGGCGATGACGGGCGAACTAC
120	AATCGACCTCCGCACACATTGCA
121	GAGTCAGCATGGCGGCGGAGATTC
122	AGATAAAGACGCTGGCAACACGGG
123	GGTACCTCAACGCGAACCACCTTGT
124	AAGCGATGGCTACCCAAGAGCGAT
125	AGAGCTTATGCAGAACCAGGCGCC
126	ATCGGTCTCACGCAGGGTTGGATA
127	TAGGTTGCCCGCCAGAAGAAACAT
128	CGGTGCTGTTGAAAAGCCTGTAG
129	TGATGAAAGTTTGCGGCAGGACAC
130	GTTGAGTGCAGGATGCAGCGATAG
131	AACATTGCGCGGTCCACCAGGGTT
132	GGGCAGTTAGAGAGGGCCAGAAGT
133	TCGAGCTGGTCCCCGTGAACGTGT
134	GTCTTGGGGGCGCTTAGTGAAAA
135	ACTGTTGGCTTGCTCTCATGTCCA
136	AGGACCATTGGAAGGCGAAGATA
137	CTTGGGAGGCATCCGCTATAAGGA
138	AATAAACGGAACGCACCGCTACAG

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139	TTGTACGTGCGGTCCCCATAAGCA
140	CGCACCAAAGTGAAGTTTCCCAGAC
141	ACCTGATCGTTCCCCTATTGGGAA
142	GGAACAGAGGCGAGGGGACTGAGC
143	CCCTGCCTTGGCGTGTGGGCTTAT
144	ACTCTGACACGCCAACTCCGGAAG
145	CTGACGGTTTTTCATTGGGCGTGCC
146	TGCGGTGGTTCATTGGAGCTGGCC
147	GCATGGCCAACTAGTGAAGTCGCAA
148	AGGCCGTAAAGCGAATCTCACCTG
149	CGAATATTATGCCGAGAATCCGCG
150	ACAGACGAGCTCCCAACCACATGA
151	GGACGGTTTGTGCTGGATTGTCTG
152	AAAGGCTATTGAGTTGGTTGGGCG
153	GATGGCCTATTCGGAGATCGGGCC
154	GATCCAGTAGGCAGCTTCATCCCA
155	AATAACTCGCGCGGGTATGCTTCT
156	GGAGGAGTTTGTCTCGGAAAGCA
157	CTTTGGTATGGCACATGCTGCCCG
158	AGAAAGGCTCGAGCAACGGGAACT
159	AATCTACCGCACTGGTCCGCAAGT
160	CGTGGCGGCCACAGTTTTTGGAGG
161	TTGCAGTTCAATCCATACGCACGT
162	GGCCCCAAGCCCCAGACCATTITTA
163	CGCCTGTCTTTGTCTCCGGACAAT
164	TGAGGGCAACAGGGGCCAAAACTA
165	AGCGGAAGTAGTCCTCGGCTCGTC
166	GGCCCCAAGGCTTAGAGATAGTGG
167	GCACGTGAAGTTTAACCGCGATTG
168	AGCGGCAGAAACGTTCTTGACGG
169	TCGTGAGCAGACGAGATTGCACG
170	TCTTTGCCGCGTAACTGACTGCTT
171	TTTATGTGCCAAGGGGTTAACCGA
172	TGTTACTGTGGTTCACGGCAGTCC
173	CGCGCCTCGCTAGACCTTTTATTG
174	ACAAATGCGTGAGAGCTCCCAACT
175	CGCGCAGATTATAGACCCGAATGT
176	CAAATAACGCCGCTGAATCGGCGT
177	CCTTCGTGCATCGGTGATGATGTT
178	TGAACACGAGCAACACTCCAACGC
179	CAGCAGATCCTTCGTAGCGGTCGT
180	GGAACCTGGTGAGTTGTGCCTCAT



181	TCATAAGCGACAATCGCGGGCTTA
182	CCCAACGTCACTGAAGCTCACAGT
183	TGTCAGAGCCCGCGACTCAGACGG
184	TACACGAAGCCTCTCCGTGGTCCA
185	CTCAGAAGTCCTCGGCGAACTGGG
186	ATCCTTTTATCTACTCCGCGGGCGA
187	AGGCGTGCAGCAACAGGATAAACC
188	ACTCTCGAGGGAGTCTCTGGCACA
189	TTGCCAGGTCCATCGAGACCTGTT
190	TCCACTATAACTGCGGGTCCGTGT
191	GCCCAGTCGGCTCTAACAAGTTCG
192	CGGAACGGATAATCGGCGTCAGGT
193	TAAAATAAGCGCCTGGCGGGAGGA
194	GCGCACTCGTGAAACCTTTCTCGC
195	AGTTTGCCAGGTACTGGCAAGTGC
196	ACAACGAGGGATGTCCAGCGGCAT
197	TTCGCAGCACCCGCTAGGTACAGT
198	TAACCCGATTTTTGCGACTCTGCC
199	CGTCGCATTGCAAGCGTAGGCTTG
200	GAGCTGACGTCACCATCAGAGGAA
201	GGAGGCTGGGGGTGCGCTTAAGT
202	TTGTGGAACCGCACTAGCTGGCT
203	CCCTCGCACTGTGTTACCCTCTT
204	TCATTGACTCGAATCCGCACAACG
205	ACAGGGGTTGGCCTTCGTACGTAC
206	AGGCCGTGCAACATCACACAGGAT
207	GGCCCGTGGTCACGTAATATTGGC
208	GCGCGGACATGAAACGACAAGGCC
209	CTTATTGGGTGCCGGTGTGCGATT
210	GGGGCGGTTACCAAAAAATCCGAT
211	GCTAAAGCGTGCTCCGTAACTGCC
212	ATCTCATGCATCTCGGTTGTCGT
213	ACGAAAAAAGTGTGCGGATCCCCT
214	CCAAGTACACCGCACGCATGTTTA
215	ATCGTGCGTGGAGTGTGCGCATCTA
216	TCCAGATACCGCCCCGAACTTTGA
217	TCTGCTGGCAGCACGTGAAGTGGC
218	TTGAAATTGCTCTGCCGTCAGTCA
219	AGTCAGGCGAGATGTTTCAGGCAGC
220	ACAAGCCGACGTTAAGCCCGCCCA
221	CCCTAATGAGGCCAGTAACCTGCA
222	GTGAGACACACATCCCCTCCAATG

223	CGACGGATGCAGAGTTCAGTGGTC
224	CCCGCATGCCTGGCGGTATTACAA
225	TTAGCAAAGCGGCGCCGTTAGCAA
226	CCCGACACGGGTCAGCGTAATAAT
227	GCGACGGCCCTGAGGTATGTCGTC
228	CAAAAGTGTGTTCCCTTGCGCTTG
229	TCTCGAAGCACAGCCCGGTTATTG
230	ATGCTAACCGTTGGCCATGGAAC
231	CTTGCGGAGTGTTAGCCCAGCGGT
232	TGCTCCCTAGGCGCTCGGAGGAGT
233	CCAATGCCTTTGAGTAAGCGATGG
234	AGCAGATAACGTCCCAATGACGCC
235	TTGACCATTACGTGTTGCGCCCAT
236	TCGCGTATTTGCGGAATTCGTCTG
237	CTGCGTGTCAACAATGTCCCGCAG
238	TCTGGTGCCACGCAAGGTCCACAG
239	CTCCGGGAGGTCACTTAATTGCGG
240	TTTTCGTGATTGCCCGGAGGAGGC
241	TCGGGATGTAGCTGGGGCTACCGG
242	CGAGCCAACGCAAACACGTCCTTG
243	GCAAAGCCTTTGTGGGGCGGTAGT
244	ATTCGACCGGAAATGAGGTCTTCG
245	TTCGCTTGCTGAGTTGCTCTGTTC
246	CGCGTGAAGACCCCATTCGAGT
247	AACCGTATTCGCGTCACTTGTGG
248	GGGGCCAACCGTTTCGAGGCGTAT
249	TTCGGCTGGCAGTCCAAACGGCTT
250	GGGTGTGGTTAGAATGCACGGTTC
251	GCGAGGACCGAACTAGACAAACGG
252	ACGCACGCGTGACCGAAGTTGCTG
253	TAAAAGGTCGCTTTGAAAGGGGGA
254	TGCGATCGCTAACTGCTGGGACAA
255	GGAGGTATAAGCGGAGCGGCCTCA
256	ATGCTGACATGTCGTGCACCTCGT
257	TGTGGTTAAAGCGTCCGTTCAACG
258	CGTTCACACCGGCGTAAGCTGCGT
259	CCTATCCCGGCGAGAACTTCTGTG
260	GTCTGCACTCACGCAGCGGAGGGA
261	GCACGAGTTGGTGCTCGGCAGATT
262	AACGTCGCACGACACACGTTTCGTC
263	ATGCGCGCTTATCCTAGCATGGTC
264	TCACGTTTTCGTCTCGACATGAGG

265	TGTGCCTCATCCTTAGGATACGGC
266	AGGTGGTGTGGGTCAACCGCTTTA
267	CTGGATCGAAGGGACTGCAAGCTC
268	TAGATCAACTCGCGTACGCATGGA
269	GATCCTGCGGAGAAGAGAGTGCAG
270	TACGTGTGGAGATGCCCCGAACCG
271	GCGCTATGTCAATCGTGGGCGTAG
272	AGCGAGGTTTCTAGCGTCGACACC
273	CGATGAAGACAGGTTTGCTGTTGC
274	ACCCAGGTTTTGCCGTTGTGGAAT
275	CCCTGTTAACGGCTGCGTAGTCTC
276	AGGCCGATTTACCCGCCAATTGC
277	GAGCCCTCACTCCTTGCCCTTTGA
278	GGGTGGACATCCGCCTCGCAGTCA
279	GATGGCTGAGAACCGTGCTACGAT
280	TCGACGTTAGGAGTGCTGCCAGAA
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282	GTGCACCAGACATTGAACTCGGA
283	AGAGGCCCCGTATATCCCATCCAT
284	AACGCCTGTTCAGAGCATCAGCGG
285	AAGGCTCAACACGCCTATGTGCGC
286	AGTCCGTGTTGCCAGATTGGCTCG
287	ATGTCCCATGTAAAGACGCGTGTG
288	ATGGAGTCTGCTCACGCCCAAAGG
289	CGGCCTCCAACAAGGAGCACTAAC
290	CAGAGCCGTGGCAACATTGCGAGC
291	TCATTTGAATGAGGTGCGCACCGG
292	GACGTACCGGAAGCGCCGTATAAA
293	ATGCGAGCAATGGGATCCGGATTC
294	AGAGTGAGGCCTCCCTGACCAGTG
295	CGCACCGTAAGTAGATTTGCCCGC
296	AGGGTATCGGAGCCAGGGCTTACC
297	TGAACCTTTGAGCACGTCGTGCGC
298	TCCGCCTTTTTGGTTACCTCGAAG
299	GAACGCCAACGGCACTAACACATC
300	CCGACAGCAGCCAAGACGTCCCAG
301	TTGTACACCTGGGCCACGCACAGG
302	CATAAAAAACCTGGGGCTCTGCG
303	TGCCAACTGTGCAGACCGGACTTA
304	GCGGAAAGAGCGAAACCGGCTCGT
305	GGGATGCGTATTTTAGCGAACACG
306	TGGGATTCAGCGACCAGTACGCGA

307	CCCGATATTCGCCCCGGCCTATTTCG
308	CGAGAAGATGCCTCACGCAACCAA
309	AACCTTGACCCGTGGATGACGCTA
310	GGCTAGACGATGGATACCCGTGCC
311	GCCTCTTCTCGACGATGCGATTTT
312	GCTTCCGGATGAACGGGATGGTTG
313	CCCTCCATGTTCTTCGAACGGTTT
314	TTGATGGGCGGCAATGCTCTTGCT
315	ATTGTGAGATGCGCCAAATTCCCC
316	TCAGCACAGCCAGACGGTCAACTT
317	ACTCCACTCCTCGGTGGCAAATA
318	TCTGGGCATGCCTGGACGGAGACG
319	TCTCAACTCCGGTACGACGAAACA
320	TTGCGTGGTCAAAGGCGCAACGTG
321	AGACAGCGATCCGCGGCTCATGAT
322	CGCGTCTCTAACTGAGAGCAGCCA
323	AGGCGCACATGTACGGACATTGAG
324	GATGAGTGGCACGTCGGTGTGTAA
325	TGATCCATATTGTCGGACGTTGCG
326	ACCTGCCGGGAGTTCATAGGCTAG
327	AGCATTGGCGTTTTCCGCAACGA
328	GGTAATATTGAGCGCGACCGCTCA
329	ATAGCGTACGACGAGGTGACGCGC
330	GGGTGAGGGAAAGAGCACCTGCCT
331	TAGGTCACGATGCGTTTGACGCTA
332	ACTGCCCCGTACCTCTGGTTCTGGC
333	CAAAAATCGGGTGAACATTGGCTG
334	CCTTTGGCCTGAAGTTGTCGTAGC
335	GTGCCCCACGAGCGTATCGTTGTA
336	AGGCGCTACGTGGGCCTGGAGCAA
337	GGGTGCTACCATTGCATTAGTCCG
338	ACCACGCGCGTACGTGTAACCGAG
339	CCATGATGCATTGGGTGCATTGAG
340	GGTCCGGCCCTACGAAACGTTCTGA
341	CCGTGTGGCTGGAGATTCGTGTGA
342	GTTAGGGCGACGCATATTGGCACA
343	GGGTCAGTCAGGTGCGTTAGGATC
344	GCCGTGAAGTCGAATGCAGATCGA
345	GCCACCACCCAGTGCATTGAGGTA
346	GAGCTTAGTTTGCGGTCATCGGGC
347	TGTTTGCCGCCATTAGGGAGTAAC
348	GCTCCGCTGGATGTGCCGGTTTAG

349	CGGTAGCATGCGAGATCCCTGTTA
350	CTACGCTCTACCAAGTTGCCTGCGA
351	GTGCCTCCTGCTGTATTTGCCAAG
352	TTGCGACTCGACTTGGACGAGTAG
353	TCTGGGAGCTGTTTACTCCAGCCA
354	TGCACGCGGAACTCCCTTTACCAT
355	TGGCAGCAAATGAATCGAAAGCAC
356	AACTGGTGACGCGGTACAGCGAAG
357	AGACGATTACGCTGGACGCCGTCG
358	ATGCCCTCCTTCATGGAAAGGGTT
359	ATTCTCGGAGCGTATGCGCCAGAA
360	ATAGCGGAGTTTGGGTACGCGAAC
361	ACCTACGCATACCGCTTGGCGAGG
362	GATTACCTGAATGGCCAAGCGAGC
363	CCTGTTAGCATCACGGCGCTTAGG
364	CGGAATGATGCGCTCGACAACGCT
365	TGAGAGAGGCGTTGGTTAAGGCAA
366	AAGCAGGCGAAGGGATACTCCTCG
367	TCACGACAGACGGGCCGAGATTAC
368	AAGCAATTTGGCCTCGTTTTGTGA
369	GCTGGTTGCGGTAGGATCGCATAT
370	TTGTGAATCCGTTCTGTCCCCGAC
371	CTCCGATGACAATTGTGGAGAGCA
372	TGGGCTCCTCTGAGGCGAGATGGC
373	GGATAGAGTGAATCGACCGGCAAC
374	TGCACCGAACGTGCACGAGTAATT
375	GCCAGTATTCTCGGGTGTTGGACG
376	TCGCTACCTAAGACCGGGCCATAC
377	TGGCATTGACGAGCAGCAGTCAGT
378	CGCGTCCCAGCGCCCTTGGAGTAT
379	ATGAAGCCTACCGGGCGACTTCGT
380	CCAGACAGATGGCCTGGAACCATG
381	TGGCGTGGGACCATCTCAAAGCTA
382	CCGCATGGGAACACGTGTCAAGGT
383	GCCCACTCGTCAGCTGGACGTAAT
384	ATTACGGTCGTGATCCAGAAAGCG
385	TGCGAGGTGAGCACCTACGAGAGA
386	GGGCCGCATTCTTGATGTCCATT
387	CCTCGGATGTGGGCTCTCGCCTAG
388	TAGGCATGTTGGCGTGAGCGCTAT
389	CGATACGAACGAGGATGTCCGCCT
390	TACGCCGGTTAGCACGGTGCGCTA

391	CATACGATGTCCGGGCCGTGTCGC
392	ATCCGCAGTTGTATGGCGCGTTAT
393	GGGTAAGGGACAAAGATGGGATGG
394	ATTGGAGTGTTTTGGTGAATCCGC
395	GAACCGAGCCAACGTATGGACACG
396	GCCGTCAAGCTTAAGGTTTTGGGC
397	ACCTGCTTTTGGGTGGGTGATATG
398	AATCGTGGGCGCAGCAAACGTATA
399	GTCGCCGGATTGCTCAGTATAAGC
400	ACCCGTGCGATGCTTCCTCCTCAGA
401	ATCCGGGTGGGCGATACAAGAGAT
402	TTCCGCATGAGTCAGCTTTGAAAA
403	GCAAAGTCCCACTGGCAAGCCGAT
404	CGACCTCGGCTTCATCGTACACAT
405	CTCATGAGCGCAGTTGTGCGTGAG
406	CAGATGAAGGATCCACGGCCGGAG
407	TCAAAGGCTCTTGGATACAGCCGT
408	TCCGCTAATTTCCAATCAGGGCTC
409	ACGCACGGCGCTTTTGCCTTAATG
410	TGACAACGTCACAAGGAGCAGGAC
411	CTTAGTTGGGGCGCGGTATCCAGA
412	GCTCTAATGCCGTGGAGTCGGAAC
413	CCGATTACAAATTGACTGACCGCA
414	AGACGTACGTGAGCCTCCCCTGTC
415	AATGGAGCGATACGATCCAACGCA
416	GGAGGCGCTGTACTGATAGGCGTA
417	TGTTTTTTGAATTGACCACACGGGA
418	CATGTCTGGATGCGCTCAATGAAG
419	GCCCGCTAATCCGACACCCAGTTT
420	CCATTGACAGGAGAGCCATGAGCC
421	GAATCACCGAATCACCGACTCGTT
422	AACCAGCCGCAGTAGCTTACGTGG
423	TTTTCTGAGGGACACGCGGGCGTT
424	GGTGCTCCGTTTGATCGATCCTCC
425	CCGCTTAGGCCATACTCTGAGCCA
426	TAAGACATACCGACGCCCTTGCCT
427	GTTCCCGACGCCAGTCATTGAGAC
428	TAAAAGTTTCGCGGAGGTCGGGCT
429	CGGTCCAGACGAGCTGAGTTCGGC
430	CGGCGTAGCGGCTACGGACTTAAA
431	GCTTGGATGCCCATGCGGCAAGGT
432	AGCGGGATCCCAGAGTTTCGAAAA

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433	GAGCTTGAGAGCGAGGTCATCCTC
434	GCATCGGCCGTTTTGACCATATTC
435	CATAGCGCTGCACGTTTCGACCGC
436	ACCCGACAACCACCAATTCAAAAA
437	GCGAACACTCATAAGAGCGCCCTG
438	TTTTGGTGTGGCCGGTTGAAGCTC
439	CCGCCGAGTGTAGAGAGACTCCGA
440	GACATCGGGAGCCGGAACATGAG
441	TCGTGTAGACTCGGCGACAGGCGT
442	ATGCGCATATACTGACTGCGCAGG
443	ACAAGCGAACCCGAGTTTTGATGA
444	GCATGAGACTCCGCGAAGACATGT
445	TCCTACATGTCGCGTCACGATCAC
446	GACCGATCGCGAAGTCGTACACAT
447	GTCGCCAGGACTGGGCCGATGTGA
448	ACCGATAAGACTTGCATCCGAACG
449	TCCATAACCAGTCCGAAGTGCCGG
450	ACGCGCCCTGCATCTCGTATTTAA
451	AGACCGCATCAATTGGCGCGTACC
452	AGAGGCTTGGCAAGTAGGGACCCT
453	GCAATGGACGCCAGACGATACCGG
454	GCTGGACTTAGTCGTGTTCCGGCGG
455	GGGGCTCATGAACGAAAGGCCTTT
456	AGGCATCGTGCCGGATTGCTCCCT
457	TGCGCATGTGACGTTGAACAAAG
458	ATTGCATTATGCGGTCCCTCAAAC
459	TTCGGGTCACATCCGATGCCATAC
460	ACCCATCGCCGGAAGCGATGTTG
461	AAGCGCTGACTCGGCTAAGAATCA
462	ACTTCCAAGTCCTTGACCGTCCGA
463	TCTCAATATTCCCGTAGTCGCCCA
464	AACAGTTCCTCTTTTTCTGGCGC
465	CGTCTCCATGTTGTCACGAACAG
466	TGCGCAGACCTACCTGTCTTTGCT
467	ATGGACGGCTTCGCAGTCCTCCTT
468	TGAACGCTTTCTATGGGCCACGTA
469	TGAACCCTGCCGCGAGCGATAACC
470	GTTCTTGCGCGATGAATCAGGACC
471	AGGGTACGTGTCGCAGCTTCGCGT
472	ACCCTTGCTCCGCCATGTCTCTCA
473	GGGACAAGGATTGAAGCTGGCGTC
474	TGTCGTTGCTCCCGAGTACCATTG

475	GTGGTTATCTGCGAGGGCTTTTGA
476	GTTGTCCGAGACGTTTGTGTCAGC
477	GCTGGTGAACACTCACGAACCGCT
478	GCAGACAGGGCAAATCGGTGCAAA
479	CCCATCACAAACGAGTGGCGACTTT
480	GCTTCTACAGCTGGCGTGCTAGCG
481	GAATGTGTGCCGACCATTCTAGCC
482	CCAGCGGAAGTTAGAGCTCTGTGG
483	TTTTTACCGACCACTCCATGTCGG
484	GCGGCTATGTGATGACGGCCTAGC
485	AGTACACGGGCGTGTTAGCGCTCC
486	TCCTGTGTGGTGGCGCACTCCAC
487	CCAATAACCAATCGCGCGGATGA
488	AGTGAGTGACCAAGGCAGGAGCAA
489	CATCTTTCGCGGAGTTTATTGCGG
490	CTTCGTCCGGTTAGTGCGACAGCA
491	CTCACGAAAACGTGGGCCCGAAAT
492	CGCAGCAGCTGAACTCTAGCATTG
493	AGGAGACATACGCCCAAATGGTGC
494	ATTGAGAACTCGTGCGGGAGTTTG
495	CTCTTTGTAGGCCCAGGAGGAGCA
496	GCCGCAGGGTCGATAATTGGTCTA
497	AAACGCCGCCCTGAGACTATTGGG
498	CTGAGTTGCCTGGAACGTTGGA
499	CGGATGGGTTGCAGAGTATGGGAT
500	CTGACCTTTGGGGGTTAGTGCGGT
501	GGAAATGAGAACCTTACCCAGCG
502	AACGCATCGTCCGTCAACTCATCA
503	TGGAGAGAGACTTCGGCCATTGTT
504	ACGGAAGTCACGGCGTCGCTCGAA
505	TTGCGCTCATTGGATCTTGTCAGG
506	AGCGCGTTAAAGCACGGCAACATT
507	AGCCAGTAACTGTGGGCGGCTGT
508	CGACTGATGTGCAACCAGCAGCTG
509	GGTTGCTCATACGACGAGCGAGTG
510	GCGCAAATCCACGGAACCCGTACC
511	ACGCAGTTTATTCCCCTGGCTTCT
512	AGAACCTCCGCGCCTCCGTAGTAG
513	AAAGGAGCTTTCGCCAACGTACC
514	AGTGATTGTGCCACTCCACAGCTC
515	GCGATCGTCGAGGGTTGAGCTGAA
516	GGGAGACAGCCATTATGGTCCTCG



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517	GAGACGCTGTCACTCCGGCAGAAC
518	CCACCGGTCGCTTAAGATGCACTT
519	CGGCATAACGTCCAGTCCTGGGAC
520	AAGCGGAACGGGTTATACCGAGGT
521	TGCACACTAGGTCCGTCGCTTGAT
522	AGGGAACCGCGTTCAAACCTCAGTT
523	GAATTACAACCACCCGCTCGTGTT
524	TTCAGTGCTCACGAAGCATGGATT
525	TTAGTTTGGCGTTGGGACTTCACC
526	AATGCGACCTCGACGAGCCTCATA
527	CCGAAACCGTTAACGTGGCGCACA
528	TAAAGTAACAAGGCGACCTCCCGC
529	TAATGATTTTAGTCGCGGGGTGGG
530	GGCTACTCTAAGTGCCCGCTCAGG
531	TGGCGGACGACTCAATATCTCACG
532	GGGCGTTAGGCGTAATAGACCGTC
533	GCCACCTTTAGACGGCGGCTCTAG
534	GAGATGTGTAAACGTGCAGGCACC
535	CAACCTCGTTGTGAGTTTCTCGG
536	TAGCTCGTGGCCCTCCAAGCGTGT
537	GTGTCGGCGCTATTTGGCCTTACC
538	CCAGGGAAGCAACTGGTTGCCATT
539	TTCCGAAACTAAGCCAGAACCGCT
540	GCAAACCCGGTAACCCGAGAGTTC
541	GCAAATGGCGTCATGCACGAACGT
542	AGTACTTTTCGCGCCAGTTTAGGG
543	AAGATCTGCGAGGCATCCCGGCTT
544	GCAAGTGTATCGCACAGTGCGATT
545	CCGACAAGGCCTCAATTCACTCTG
546	GTCTCGTCTCAACTTTAAGGCGCG
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1079	CCTCAGACCCTATCTGGGTTGACG
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1082	ACAGGCACGTAAGTGCTCAATCGG
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1125	ACACAAGGTGCCTCATCGAATGGT
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1127	CTTATCCCATGTGCCGGTCTGACT
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1142	TCACACACCAACTGGCCACAGATG
1143	TGTGCTTAGGACACCAGGCAACCC
1144	GACATTTAACCCGACCGATTGTGC
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1146	CTCAAGCGTGCATGTTGGTAACCA

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1158	CGGTCCGTCCATCCTTCAGAGTTA
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1164	ACCCAGAAGACATGGCATTGCGCT
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1197	CTTCATCACGTGACCTTTGTTGCC
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1268	CAACGTGGGCACCTGTTTTAGCAG
1269	CTAGCTGCGATCCGAACCTCTACG
1270	CATTGAACCATCAGCCAAGCTGCG
1271	AGACTGGCAATTTTCGAGGCCAA
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1279	ACTGGTGCTACGCGGGATATTTGA
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2086	GCCTCATCATAGACGCTGGATGCA
2087	GACAGGCGTCGGTAAGCTCTCAAG
2088	GCTACGAATCTTCCCTGTCGCCAC
2089	TTTGGCAGAACGTACCAGTGGGGT
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2093	ACGAGTCCAACCGCCTCATTGATT
2094	GCGAAGAGTTGCTACTCTTCCGCC
2095	CGTCGGCAACAATCTTTTTCGTGA
2096	AATCCTGTGCACCCGTGAGACGCG
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2105	AGCACCTTGCCGAGTCACCAGTGA
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2111	GTTCACCGGCCTCTACTTGGGTTT
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2121	TAGTGTTATGCCCGCGTGTGAATG
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2195	TTAGCAGGGAGGTTGTCGGCTCAT
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2584	CCAAGTCTTGCGTGAGCGATCCTG
2585	GCGAAAGTGGCTCGTATTTCTCCA
2586	CCTCGGGACTGTCCGACTGAAAAA
2587	AGGCGAGTGTACGGCTCATCCATG
2588	GCGGCTCTGCCTACGATATTACAA
2589	TGCACCTGTCTGTAGATTTGCGGT
2590	CATAAAGCACGGACGCGACTTGAT
2591	CCCTCAACGTAGGGCGTGACTTTC
2592	GGGTCATCGTGACGTTATGCCGTA
2593	CCCGGATAATCCTTTGTCCAGCCG
2594	TCCGATAAGCGAACTCACATGGGT
2595	CCTGCTGGTTCGGTCGTAAGCGAA
2596	GAGGCACCAATCGGTCTGAAAATG
2597	TACGAAAATGGTTGCGCCGGGTCT
2598	CCCAAAGATCGTATCACCACCCAA
2599	AATTGCCGGAAGCAGTCAGAATCG
2600	CCGAATCAGCCGTATTTGCTGGAA
2601	CCCGCTTATCTGTACTCGATCGCA
2602	TTTTGGGGATCCCTATTAGGCGCA
2603	AGTGACAGCGCTCACCACGGTCCC
2604	CCATGAGTGTTTTCGGGACATCGTA
2605	GCCACATTCTGCTACCTCCGTGTT
2606	TCCTGTGCTTTGTGACGTGCTAGG
2607	GACCGCATATACACCTGATGGGCC
2608	GTAGGCCCGTCGTTAACCATCTCA
2609	CGGCTCGCGAAATGGAGTTTAGCG
2610	GCTGATCGGCTTTTCACCGCTATA
2611	TATCAAATCGTTGGCACGCGACTA
2612	TTGGCGAGGATCCCTAGGCGTACT
2613	AAGTCCTGAGGCCGTTTCGTTTCT
2614	ACTCCGGACATCTCGGCCAGAGAT
2615	CCAAGGGGAACACAGGATCGTAGA
2616	GTGGCCTAAATCCGCCTTCTCAAC

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2617	CACTCCGTCTCGTCCATTAATGCG
2618	TCAAGAACCCAGTGCCGGTCAGCA
2619	GAATCAATTTTCCAGGGACGGGAC
2620	GAGAGCATACGCAATGTTCCCTCC
2621	ATCGGTGTGCTGGAGCGCCAGAGT
2622	GCCTCTCCTATGACGATGACCCAC
2623	TGGGCGCGCTTTTAAGACTACATC
2624	CGTTGGGTACCGTTCTATCAACCG
2625	GCAGTGAGCTGGGTTCAATGCTTC
2626	CATCATCCACACAGGCAGGTGTGT
2627	AGACAAAGGTCCCCATTGCGAAAT
2628	ATACTCGTCGACGAGAAGCGGAAA
2629	GCAGAATGTGTTGTCTTCGCAGCC
2630	CACCATGCCTTCATCTTGGCCTAG
2631	ACTCTTCAACGCCAGGTTAAGCCA
2632	GCGACCTGCGGCGTGTGTATTCTC
2633	TCGGTGTATGCACCCTTTCTCCAT
2634	ACCGTCGAATCTTGCGGCCAATGT
2635	TAATGCATGCTCCCGGCTCACGTT
2636	TCTGTACACACCACGTCGTGCACA
2637	CATGGGGTTGTCAGACGACACCTA
2638	AATCTGATGCTCGCTGTAGGACGG
2639	TCGAAACCGCGGGAAAGGGTAAAA
2640	CGCTAGGGCCTAGGGGCACAGACA
2641	TGGGGGACGGGCGTCTAATCCTCC
2642	AGGCATGCACCCATGCTGCCAGAG
2643	TCCAATGGCCTGTCAAGCATAAA
2644	GAACCTGAGCCTTTGCTAGCACGA
2645	CGAATTGATAGCGTTACGGGCGAA
2646	TTGCACGCGCGCGAACGACTATTC
2647	TGCGGTGAAGCAGTCCAAGGTCAG
2648	TGAGGACCATCCAATGGATCGGTT
2649	TCGGTGATTGGTAATTTGGATCCG
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2654	CGCGGCAAAGATTAATTCGCGCG
2655	GAAGACCCGTCCGGGTTTCCATAC
2656	CTGGCAAGGAGGATGTGGCTCGTG
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2658	TTCAATAATGATCACGAGGCCCCA

2659	TGGTGATGCGAAGCCTTACCTTTG
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2661	TTTGCCCAGCTCTCGCAGAAGTTA
2662	AATTCAGACGCCACATCGACGGTC
2663	CCGTGGTCTGCCTCGATTACCTAC
2664	GGCGAGGAATTTGGAACCTTATG
2665	ATCCGATGATCAGATACCGGCTGG
2666	CCATAGACTAGCGCCAGAGTGCCC
2667	TGTGGACCTAGAAAATTGCCAGCC
2668	GAATAATCATCGCGGTCCTCATGG
2669	GGGATTGGCTCTTGGTTGGAAGAA
2670	ATTGTGCTTCCTCGAACTGGGAAA
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2672	TCAGGACCGACGGTGCACTTAGTG
2673	CCAGCCGTCACAGTGCAATTTCCG
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2675	TACCGCTCGTCGCGATCACAATGA
2676	CCGAGTGCGCGAAGTGTCTATGTG
2677	GCACCAGTGCCCGATCAAAACGTA
2678	TGCAGGCTTCTCAACGGCTGGGAG
2679	CTCCGTACGTATCCCGCGTGATAC
2680	GGAAGTGCAACTTAAAGCCCCGCC
2681	CGAACCGGCAGTCGATCGTTGCAT
2682	CCGTTAGTGGTCGACAGTTCGGTT
2683	TCAGGCTACGCCCTCAGCACTACA
2684	TATACGGGCCGAGGTCCGTATTCTG
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2686	CTGCTCAGCGGTGCTTGAAAGACA
2687	GGAGATTGACTTCGCGTTTACCA
2688	ATGGTTCAGAAGGTTTCGTGCGGTT
2689	GAGTGGAGCATTCTCGGCCCTCAA
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2691	TGCTCTTGTGGTCACTCGAGAGGA
2692	TTGGGAGCACGGTTACCGCCTGTG
2693	CAACGCGAGCTAACGGTAGTTTCG
2694	AACGCTGAGCGCTCACCTTCACCT
2695	CCGTCGTAGATCTGGAGGCTTCAA
2696	GGATGGCATGGGCACACTGTAACC
2697	TCGCTCGTAGATATCCTTCACGCC
2698	GGAGCAATACCGCGTCCAAAACAC
2699	CGGTGTGCTTCAAATGCCAAAGGA
2700	TTGTTCAGACTTAGGCGCTGCCCA

2701	CGGCGGTACTCTTTCCACTGTCCT
2702	AAGACGATTGCCCACGTGCCAGAG
2703	AGGTGAGCGCAGGCATATTGCAGT
2704	CTCGGGCCTGTACAGCAAAGCCGT
2705	TGCGCGCTAGTGCTGCCTATGATC
2706	CCATCCTTTGCCTTGAGGGTAAGG
2707	AACAACAGCGTAAGACGGACAGGG
2708	GAGGCGGTGAGGCTCACAATATT
2709	CGAGGTTAGACGCCATATGACCCAC
2710	AACTTGCTATACCGGGCGCAGCAA
2711	CGCGGTGAATCGCATACACAGCGC
2712	CACCGAATCAAGCCATATGGCTCT
2713	TTCACAGCTATCCTAGGCGCTGCC
2714	AGAAGCGCGAAGTGTACCCCGCAT
2715	TGCATGGTATTTGCGTGCGATAGG
2716	GGCCGGACCTATGTGAGATGGAAA
2717	TCAACCTGAGTCCTGATCCCAAGC
2718	TGCTTACCGTTCAGGGAGGCGTGT
2719	GGAGAGTTACGCGATGAGCCACCT
2720	CGGTATGCGGTGTACAGCTTTCGT
2721	GTAAGCCGGGTCTCGTGTGCGCGT
2722	GCGTAGTGCGAACGCCCGACCTA
2723	TCCTCGCGGCTTACGTCAAATTCG
2724	CGACGTTCAAAGCGGGAGAGGAGG
2725	CGAGGCACCCCGACATGTTGAGAT
2726	CTATTTCTGTGCCGCGTCGGACAAG
2727	GGCTGCTCAGTGACGTGTCAACTG
2728	ATCACTCGTGCGTACCCGACCGTC
2729	CGAGATGTCCTATACCGTGCGGAA
2730	TCACACCGAGCCCCATAAATGAAA
2731	AGCTACGTGTCTCGAGCAAAAGCG
2732	TCAGGGCGAGTTTTTTCAGCGGCG
2733	TTCGTTCTGTCTATTTTTGCCCG
2734	TGGTATGCCCAGGATCCAGCCTAC
2735	TCTCAGTCGTTAGGCCAATGGCGG
2736	AAAGATCACCGTGGAGCGATCGGC
2737	TAGCAGGACTTGCACTCGTGATGC
2738	TGCCCACGGTACCGTTCAAGGCTG
2739	TGAGGTGCGTCGCCCTAAGTAATG
2740	AGCAAGGGTTACAACCCGCAACCC
2741	CACAACAGCCAGTATTCGCCACAA
2742	GGCAACACCATACTCGACGAGCTC

2743	GGCTGGATTGACAATTTAGCCCCT
2744	CGTGAGAAATGCTACACGCGTCAG
2745	CGCATCTGCCCCATTTTGTTCCCT
2746	GTCGGCCTAGTCGGCAGAACGGTG
2747	TCGACACGCGTAGCAGCGTGGACA
2748	TCCCTCACCTTCCAAAAATGTGCT
2749	GGGCAAGAACATGAGAACAGACCG
2750	TCGTCCTGGTACGACTTGCGTAGA
2751	TGGCGGTTGCATGTGATGATCAAG
2752	CCTCGCGTGAGTAAAAACCGTCCG
2753	ACTTCCGCCACAGAATGCGGCCAG
2754	GTGTAGAGCTTGGGTAGCCCCGTT
2755	CGCAGCATCCGAGTTAACACACAT
2756	ATGAGCCTGGGATGATCCGCTGGT
2757	CCTGGCATAAGTGCCGACATGCTT
2758	GCGCATGAAAACTACGACGGACG
2759	AAAGATGGGTCGATGGGAGCGTCT
2760	ATCCTGGGCACGAGCGGATTTATC
2761	TCACCGCATTTGATAGTTACGCGA
2762	TGGTGGAGCGGACTCTGGTGTTAT
2763	CACAATGAAAAACAATGGCCCCA
2764	CCTTGCCGCGCTTGTGGTACCAAC
2765	CCGAGACCTTTGCCACACGAAAGA
2766	ACCGCGGTGTACACCTGAGCAGGC
2767	GTCGTACGCTTACCGCAGCGGAGA
2768	TCGTAATTTGACCGACACACGCAG
2769	CCTAGACGGATACCCTGAGCGGAA
2770	AAGCGACAGCAGAGGTTCAGTGCG
2771	GCGTGGACGATATCACCTGGGCGT
2772	GTCGGAGAGCCAGTGGTACGGCTT
2773	TACCCTCCGGACCAGCTGTAATGA
2774	TATCCGCACGGTATAGCAGTTGCA
2775	CATCAGTCGGGCTACCTTCAGCCT
2776	CGGATTAATGCCTTTCCTCGGAAT
2777	TTCGTCGTGCCAAGCTAATGCAAG
2778	CCACTACGGATCAGCACAGGTGTC
2779	GGCCGAGACCACCAGTAACAGGTT
2780	CGCGCGGAAGCATTGAAGTTACTA
2781	TCGGCTTACCGCTTCGTCTGACTT
2782	GACTGACGTCAAGGCAAGCAACAC
2783	AGAGGAAGGAGGGGCTGTGACAGA
2784	TTCCAATGCGAGAGATGGCAGGCT

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2785	AAATGGGGTGCTTCGAATATGTCG
2786	GCTGTCGGATTATTGCACGCCTGT
2787	CCGACTTTGTTTATGTTGCTGGCG
2788	GCTGCGATATAACCCGTCCCAGAA
2789	TGAGCTGGGCGTCAACTCCGAAGA
2790	CCCAAGCATCCTAAATCTCCCTCG
2791	CGACAGCAATCCACATGCATTCTT
2792	TGAATGGTTCGGGAAACCAATGCAT
2793	CTTTGCATCGAGATGCGGGGTAGC
2794	TCCATTTCTCCGCAACTCTCAGG
2795	CCACTACGCCATCCTGACAACGAG
2796	TAGTAAGGCCAATGTACGCCGTCC
2797	GTCATGCATATGGGGCCTGTTTTC
2798	ACCGGTAGACGTTAGCGGGTTCAA
2799	TTGGTTCAAACGGCCACACGTCTC
2800	GACACAACTGCAAGGGAGGCATG
2801	CTCGAGCGCTGTCATCATATCGGC
2802	GCGGCTAAGGCACAAGTAGACGTG
2803	ACAGCCTAAATGGCGCAAGACCGA
2804	GCCAAATGCTTGGAATTTGCTTCG
2805	CCGATGATGTAAGCCGTGCGCCCT
2806	AGGAGCAAACAAACGCCAGTGACA
2807	ACGAATTGGGTAGCCGGACTGAGA
2808	CTGTTCCAGTTCGGCAAGTGCGGC
2809	AGACAAGTCAGGAACGCGTTTCCG
2810	AGACGACGGCCAGATACGCTGCCA
2811	AGGAAGCGCTTCTTCCGGTTCTTC
2812	GATGGACGCAAACACAAGGCGATC
2813	CGCATAGCAGTCTCCGCATCTTGG
2814	TGGTTCCGGTGTGCAACAGATAAA
2815	CCGTATGCCACCTCCAGAACTCAA
2816	GTAAAGGAACCCCTCGGGAATCCT
2817	GCCTGATGCTCGTTAAAATTGCGT
2818	TCGCACTTGGACCATGAGATCTGA
2819	TTCTCAGGCTGGGCAAGAGTCTGT
2820	CGGACCTGGGGATGCTGGGATTAC
2821	TCGAGCCGATAGGGTTGGCATTGC
2822	TACGTGTGTCCCACACACGTCGTA
2823	TGTGAAATTCGCGTTTCGCATCTT
2824	TTGCAATGCTCCAAAAAACTGCC
2825	TCTCATCATGGCTGTGGCTTTGAC
2826	ATTACACCGCTTGGTTTGGAGTGG

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2827	GCCGTGCAATGCACAGAGTTCAAG
2828	GAGATCAGACCGTGTCGGATGCTG
2829	CCACCTATCTTGATGCGACCTGGA
2830	CCGATCGCCGTTTATGTCTACGGC
2831	GAAATCACGGTAAGGCACGTTTCG
2832	GATTCTCGCTTCCCAACGAGCATA
2833	CCAGAGCAGCATTCCACAATGGTG
2834	TGTGAAATGTGGCAGTCTCAGGGA
2835	CGATCCTGCGTGCCTCATCCAGGC
2836	CCCTCAAGTGGGCGAGGGTTTTCA
2837	TCGCCTCCGCCTCGTGTGTAGAAG
2838	TTCGCTTTCAGCTCATTGGAACGA
2839	TGTAATCTGAACAAGCGGACCCCT
2840	TGGAATCTTTCTTGAGCGCCGTGA
2841	GGCTTTCATCTTTAACCGCTCGGT
2842	TGATCCGAGCCATTCCATAACACC
2843	TGGTAGGCGTGATGTCCTACGCAA
2844	AGGCATCGGTAAGAAGGCCCTATG
2845	CGCCGCGAGACGATCCTTATTATT
2846	ACATGGACGAAATTACGCCCGTCA
2847	ACAGAAAGGTGGGGAGCCTAGCGT
2848	AGGCTTGCGAACATGGGTAGTGAC
2849	GCGTGGGCCTTGCTCCTGTTTAAC
2850	GAATACAGAGCGTCCGATGTGCCC
2851	GCGACTCTGTAGGGAGCGCGATAT
2852	GGTGCACTCATATGCGTCGCATCG
2853	CTGTCCCACGGGGAAACCTTACTT
2854	TGGCTTACTGTGCGCAATCTAGGCC
2855	GCACTCAGTTTCCGGTATCCCATG
2856	GTGAGGTTACGTAAGGCACAGCG
2857	GTAACGCCTTTGTCCCCAGCGTAT
2858	GCATTGATATGGTTCGGTCTCGCCT
2859	GTGGGTTTAAGTGACAACGGACGC
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2861	TCCGAGGAGACTGAACCTGCTACC
2862	CGGGGAAGAACGGATTGCTAAAT
2863	TGGTTAGCTTATGTCGGAGCCACC
2864	ACGCGTCGATGAACTAAGGCTCGC
2865	TTCTCCTGACGAGTACGCAGTGGG
2866	TCCGCGGTTGCCGTTTGTAGGA
2867	TGGCGCATCTTTCAGGGGATGATG
2868	TCTTTGGTCCTTGGTGTTACGCG



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2869	GAGAACTCCCGCTACAAAGGAGCC
2870	TTAACGTGGGAACCGTTGGTGAAT
2871	GGGACACCATCCTTGGGTTTGTTA
2872	CAACAAACCGCCTTGGGAAGTGAC
2873	TTGAAGGCCACCGATACTGATCGC
2874	TCGTAATAGAACTGCGCCCAATGC
2875	GGCACGTTGCCCAAGTTGGATCCA
2876	ACATAGCTTGGCCGGACACCCACC
2877	CTTGCCGCCTTGCGAGTGGCTAAA
2878	AGTTCCGCGTCCTACTTCAACGCT
2879	AATGGCTCGCCAGATACCGCAGCC
2880	CAAAAGGCGTGTCCGAACCTTTCA
2881	CGTCCACTTAGGTGGAGATACGCC
2882	GAGCCTCTTCGTCCTGAAGACCGA
2883	AACATCAAGCGGCAATCTCCCTTC
2884	CGTCCTGACATTATTAGCGCGTGC
2885	TGTGCAGACCCTAACGACCTACGG
2886	TTAGGTCGGCCTAGACCCTCCGTA
2887	TCACATCGCTTAACTGAGCGCATT
2888	AGACCTTCCCACGCGAGATGCTAC
2889	TTCTTGCCAAAATGTGTCCAACCA
2890	CAGTTTTTCATTGCAGCGAAAGCAA
2891	GTGCCGATCCCGAGACAAGTTCCG
2892	CATCCGGCCTCAGTGATTCTTACC
2893	TGCTGGAAGCCACAAACGTTACGT
2894	GAACGGCCAGGGGACAACTATCGT
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2896	TTTGGTTACCAGCACCCATGTTCC
2897	GACAACAGTCTGTCCGCCACATCC
2898	GCCAACAGGAGATGCTTGCACCAT
2899	CTAAGGACGCATTGACCCCTGAAC
2900	GGTCGCGTAGTGAGTCAGAGGCGT
2901	TTACCTCATGAACCCTTCGCGGCG
2902	TATACAGCATCGTCGCCGGGCATA
2903	GCTTAGTGGCGTCTTCGTCGTAGG
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2905	AACCCGTCATGCCGACTCCATCTA
2906	AGCACTAGTGGCGTGCGACTTTGC
2907	TAAAAAGTGCCGCTAACCACGGAG
2908	CGCGGAATATTTGTCGTCCGATTC
2909	TTCTGCTATGCGTATGGGGGCCCG
2910	CGAACTACTGCGTCAGCCTCTCCC

2911	AGATGACGAATTAGCGGGGTTGGG
2912	AATAACAGTGGCAATGAGCGGGAA
2913	ATATGTTGATTCCCGTGCTGCACA
2914	AGAGTGGGCACCACCAGGCAGACA
2915	AGGCCTGGGTTTCTGCGTCTTAGT
2916	ATGACTTCAGGCACCTCAGCACCT
2917	CGGACGTGACAAACGGACATACCC
2918	CAAGTGTTTCGGCCCAACTCTCGA
2919	GAACCCTTATCGGGATAGGCCCAA
2920	CAGGACGATACCAAGCAGAACGCC
2921	GCGTCTTGTGATTCTGCCCTAACC
2922	AAACAACCATCAATGTCGGGTCCA
2923	TGTAAAGACCAGTTGGCGGCTCTC
2924	GCGTTTTGACTCGGTGGTCAGTCC
2925	TGTATGGAGGCACGGCAAAGTCTT
2926	TTACCTAGGTTCCCGCTGACACGC
2927	CGGCTCGTGGAATCCTCTGAAGA
2928	CCGGCTCGGGCATTCTTGACCT
2929	CAACGATGGAATTGTCTCCTTGGG
2930	CGGGCTATTATCGGGATTATGGGG
2931	ACGTACCTGAAGATGCAACGGCGG
2932	CATGGTGCAGCACGCACAAGTAAC
2933	CGTCGATATGTCGGGCTATTGCCT
2934	AAATGCAGGGTTAAGAGGAGGCC
2935	TGCAAGGACTGATTCTCCCGCTGT
2936	GTTTTCGGAACGCCGCAGAGTTCA
2937	CCCTCGATGGTTCATTGGGAAGAC
2938	CCTGTTGCTCATAATGGTGGGGT
2939	GAAAGAACGATCGCGGAATAGCTG
2940	TCCACCTGTGTGCCTTTATCCTCA
2941	TCCTCCGTGAACCGCTGTAGCGCA
2942	GCCCCAGAGAGTCCCTGCTCCCTA
2943	TTGAGATTTTACGGTTTCCCCGC
2944	CGATAGGACGTGGGCATGTCCCAG
2945	CCCGAACTTTGAGATCCGAGAACA
2946	TCACGCAGCTAGAGTCGCGTTACC
2947	AGATAACGCCCACTGACGACATGC
2948	ACGCTTAGAGCTCCGATGCCGAAT
2949	GGGCGATAACTTAAATTGTGCCGC
2950	AGGACGTTTCATGCGTCTCTTGCA
2951	CGGCTGGTAGAACTGTGCATCGTA
2952	TTCGAAATGTACTTCCCACGCGGA

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2953	GCAGGTTGGCTGTCTTGTGGAGTC
2954	CGTTTGGTTGCTTCAAGAACCGGT
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2956	GGGGTCGGCTGAAGTGTTCATCC
2957	GTGACGGTTGATTAACGACCGTGG
2958	CTTATGGCAGCGCCAGGGGCACTC
2959	GTTAGGGGACCCACCTCGTTTGAT
2960	CAATATAAATGCCGCGCATCGAGT
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2962	AGTTGCGTCCCTTGATGGCATTTC
2963	CCGACTTTCGTCCACGATTCTCT
2964	ACTTGGCCGGACGACAGCAAAGAC
2965	CACCGCGGTAGATGTATCCCTTCC
2966	GTTAGCTTTAGCTCGGCACGCCTG
2967	GCGCATAAGAAGGTCCGCTAAAGC
2968	ACATCATCACGCCTGGCGTGACCA
2969	CCGGCGAAGTTTGGTGTGATTAGA
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2971	TGCACCGCCAGATTGTGCTGAGTC
2972	ACATGTGAAGTGAGTGCCGTCCAA
2973	CCTCTGGAGGGGATTAGCCACGCT
2974	CAATAGCCATGTCACTGGCAACGG
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2976	AATCTGGTCTTGGCATCCTCCAAA
2977	GTATACCGGTGCATGCTGAAGCAA
2978	AGTGTTCTGGTTCGAGTCGACCCG
2979	CGGGTATTCGACACACACGAGGAC
2980	AGTGCAACAGAGCGCTTGGTCACG
2981	TGCACCTATAGTTTGGTGCCGGTG
2982	TGCTCACGTACCAGGACACTCGAG
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2984	CGCCGACCTGGTCAAAGAGCGCTA
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2986	TGTGCGTGCTTATGTTCCGGTCTC
2987	CAACCGTTGGCCGTAACAAAAATC
2988	CGAGAATCAAGGCGTACCATCTCG
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2991	CAAGCTAGGGACAGAATTGCCAC
2992	TAAATAGGCGAAACCGTTCGTGGC
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2995	CAGGCGTAAACCTGAACCAAACGG
2996	GCCGATCTGTGCTGAGGTTCATCA
2997	GATATCGCGTCGCAATATCACGCG
2998	CCCTGCACGATTAAGCCACCTGTA
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3002	CTCTACTCAATCAGGGTGGGAGCG
3003	GGGTTGGAGGGAGTCTTGACCATT
3004	CGAGGTCGGTAAGGAAAAGCTTGC
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3006	CATTGTATGGCCACGTGATTGACG
3007	GTACGGTGCGAGAGCGCCTAAGCG
3008	TTCCATATGCCGAAATGGACACAA
3009	TACGCCTTCCGCTATAGCTCGTGA
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3011	CTGTACGCCACGCATGAAGGGTGA
3012	CTTACGCGTCCAATGACTGCCACC
3013	CACATGGTAGAACTCGATCGGCAG
3014	CGCACCGGAACTAGTGGATGTGT
3015	ACTATGGCAACCGACACTTGGTCC
3016	CTAGTTTGCGCTACCCACCTGCAA
3017	TAGTATCGCCCGACAATAGCCTGG
3018	CCAATATTACGGCCTGATCAGCG
3019	ATGGCTATCCCTTACTGGCTCGCC
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3023	CGTTATTACCGATGCACACGTTGC
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3025	AGGTTGGTAGGAAATCGGAGCGCT
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3032	CCCTATATCGAGCCCATAGGGCGA
3033	CACGAGTGGCATCAACGGCCTACT
3034	TGCAGGGTCCGATGTGTTCAAGTA
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3037	AGAATGTGCACCGGCTTCCATCTT
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3039	GGAGCTCCTGTTTCATCGAGGCTA
3040	CATTTTGCTGTTTGGGGTCCCAT
3041	CCCGCTCCTTCACGTGAGACGAGA
3042	GCGCTCAAGTCGATTGCCACAACC
3043	CGGTTGACGGAGACCGCAGTACTT
3044	ACTCAAGACCGGTGCACCTCCAGC
3045	TGGATGTCGAGCGTGTCTGAGTTT
3046	TTTCGTGTGCATGCAAGTAATGGC
3047	GCGGCGTTAGCTCGAGCTAACAAA
3048	GGGTATCCTGCCCGAGCAGTAATT
3049	GGCTCCGAATCTCTTGTCCGGTCT
3050	AGGATGGCCACGCCGAATCAAAGT
3051	GTGCGGGGACGTTTACATAACGAG
3052	ACTTTTGACCTGAGGCCGCTTGCA
3053	ACTCCGCTTCAATGGAGACCGTTG
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3055	ATGCGTGCCCATGGAATGACTTTT
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3061	CTCGTCAAACCTTGCCCGAGGAGTC
3062	GTAGCTGGCAACAGGCAATCAGGA
3063	CTTGTCACGAATATTCGCCAAGCG
3064	CAGTATCTGAAACACGGGGTGCTG
3065	GGCTAAAATGGGCGCCACGTGTA
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3067	TATTGTTAGGCACCGCTTCGCGCT
3068	GGAAGTAGATTGCCAGTGCTCGCC
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3072	AATTCGGGTTTGAACGGTTGGAA
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3074	GATTTTGGCGTCTCATTGCGTGAT
3075	TGCCATAGGGAGGAAACGCAATTA
3076	GAGGTGCCCATGTTAGTGGTGTCC
3077	GCTTTAGCGGTCATACGACCACCA
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3079	CATAGTGGGCTGAAACCCCAGGAA
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3081	CTCGTTTGGTACCACGTTTTGCCG
3082	AATACACGCGGCGTAAACAGACGA
3083	TGTCATGGGCCAAATGACAGTGGC
3084	ACAGCACTTCCGACCCGTGTACGA
3085	CTCCGTAAAGAGCACAGCTTTGCC
3086	ACGAACAGGTAGGGATCGGTCCTC
3087	TGGATCCACCTTACCGCGCCATCG
3088	AGTATCAAATAGCGGCGCGGCAAG
3089	GAATTACATTGTGGATGGAGGCGG
3090	CTCCTCGGGGAGTCGAGGAGTACG
3091	AGTGTGAGCCAACTCCCACCAAT
3092	AAATGACATCCGTTTGGCCACAGC
3093	CGAATCATATCGCCATCGAACTGG
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3095	GCCAAGCAGATGGTAATTATGGCG
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3097	TACCCGAGAATTTGGAGAACAGCG
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3105	CTGCCAGATCATTGCGCGATCCG
3106	CGGAGGTTAAATGCTTTAACCGGC
3107	AGGCGTCTCCAAACGTCTTCTGT
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3114	TTAAGGGCGTCCGCGTCTATTCAG
3115	ACCTTTAAACTTGTACCGCGGCCC
3116	AGGGATGCAGAGGCACCACATGTT
3117	CGGTTTCGACGTATGAGCATCCGCA
3118	CAGGGCGATAGTCACATGGAGGTT
3119	GCTTGACTGCCCCGTTTCATATGT
3120	CGAAGGGGTTGTGCAATTACCCGA

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3121	AAAACGCACCGCAATGACAAAATT
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3123	CCTACCTGCCTGCTAGCGGTGAGG
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3125	ACATGAAAACAGGCTCAATTGGGG
3126	GTTCCGCACATGGATTGAGGTCTC
3127	GGCACCCAATACCACGAAGAAGAA
3128	AGGGGCATTTTGAAGTCCATCTTT
3129	CATCATCACAAAGGAACGTCGGTG
3130	TAAAGACCCACCGTCAGCAGCAGC
3131	CCCCAGGCGTAATGCACCACATAG
3132	GCAGGTCTGAACGCTAGTGGTTGAA
3133	GGAACTTAGGAGTTCACGTCGCCA
3134	GCAGATACGGCTAGCTGAGGTGGC
3135	CACAGGCCTAGAGCCTCGGCGTTC
3136	GTTTTGCGCGCATGAGGTTCAATTA
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3139	TGCGCGGAGACGGAGATCTATGAA
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3159	ATGTCTCACTACCGCACGTAGCGG
3160	TACTGCTCCGGTCTTCCGCAGCTT
3161	ACGGAGGAGCGACTCGTTCGCTGC
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3163	CCGTAACGTGTATTCCGACGAGCG
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3579	TGTGGACCGGTGGTCACGTCTTTT
3580	GCACGTCTCGCAATCTGCGATCAG
3581	CCTAATGCCGTATCAGCGACCAGA
3582	ATAACGCGGGTGAAGGATTCTGTCT

3583	TTCAACCTTGTGGGGCGTCCCACT
3584	CTACTTCCAAATCTCCGCGTCGGT
3585	AGCGAACGCACTGCCAGTGGATAC
3586	GAAAGTGGCGGCGAGGAAAAACAC
3587	CAGGGGGCGCATATTTGACAGATT
3588	TAACTCGCTGCCCTCAACTCAGGG
3589	TCGATTGTTGGGTCTACCGTGGTT
3590	GCTGGGATTAGTGCCGGGTAACCG
3591	TGGTTGCAACATCGCGCTATTACG
3592	GGGCGTGCTTTGAGCTGAAGCGTG
3593	ATGTTGAGGTTAGTCCCCGACCGT
3594	GACCGCGTAGTTAGCAATGTTGCG
3595	CCAACCCACTGACATCGATGGAAA
3596	TGCTGCTATTGTCGCACCGATATG
3597	TACAAAGAATCGGGACCTGCGACT
3598	GCGCCTCATCCCGCATCGAATTAT
3599	CGAGGGATTTTGACCAGTGGATGA
3600	TGATAGGCATACGCGGAGAAGTCC
3601	CGAGTTGTCAACGGCCATCGAATT
3602	CCCGCACCGGATTATTAACGAACC
3603	TCGTCCTTGGGTCCCATGTAGAAA
3604	TCACGAAGCATCTTTGCGACGTAA
3605	TGTAAGTTGCCAACTTTGCGGGTT
3606	GCACACCACCGGCAGATATCAAGA
3607	GTGTGGTTTGTGAATGCGTGGTGA
3608	CAGCTGCGGCCCCACCTTCGATAC
3609	CAGCGAAGGACGACTACTGTGCAC
3610	CAGCAGTTCGTTGCTTCCTGATTG
3611	AAACAATGGAGTGTACCTCCCGCA
3612	ACTATACGAGCATCATGAGCCGGC
3613	CTTGATAAGGTGGGATTCCGGGCA
3614	TTTAGTAGAACGCTGCGCGCGGTG
3615	AACTGACGTTGAATAAAACCGGCG
3616	GCTTTGTTCTACCGCGGATCATCA
3617	TGATATGCAGCGGCTCGGCCTTAT
3618	CGGGAGTGCGTTTATGTCCATGAT
3619	CAAATACCGGGAACGGATCGAAGC
3620	GATCAAGCCGAATGCTTTGCAAAG
3621	AGAGAGGATGCGCTCCGGTTAGAG
3622	CTTAGTCAGCATACCCGCGGGCAG
3623	GTGTCTCGGGGCGCAGGACCTGTA
3624	AACGCTCCACTGCCGTGATTCACT

3625	GATCGTTGAGTCATCCCGTGGAGT
3626	CCTGGCCGGGTGCAATACTACAGT
3627	CGTAGCCCGAACGTAAGGGTCAGC
3628	CTGTGGCTTCAAGAGGATCCGTTG
3629	CTTGGGTCGGTGTAATGTCCTCGA
3630	GCCGTTGTGCGCTATTCTTACGGA
3631	TCGCACGATGGCTAGAACGAGTAA
3632	ATTTGTTGCAATGGGATGGCTCTG
3633	CGAATATCCGCTCGAACCTGACAA
3634	AAGTGGCGTGCGTCATAGCGCGAC
3635	TGATGTCCCTCCACACCGTGAAC
3636	CAAATGAAGTCGGGGCCAATATTG
3637	GATGCATAGCGTGATTCCGGTGTA
3638	GTGACCGTAGAAGCTCACCAGGGC
3639	ATAAGGACATATTCGGCCTGGGGA
3640	AGATCTCACAACCGGAACCGGACG
3641	GTTGCGTTTGGGGGCGTCATACAA
3642	TGTGAGGTTTTCTAAGGCGAACG
3643	CATCTTGTTTTGCGAACGAACTCA
3644	TTCCTGTCACAGATTCGTGGCCTT
3645	AACTTACCGATCCCTGAACGTGCA
3646	CCTATTCTGGACATGCGGCCACAT
3647	GTCGATGGGGAGCTCCAGTTGCAT
3648	CGACCGTGAGGGTCCATACGTAGA
3649	TCTCGTTTGACGCAACTGGGCCA
3650	ACTCCGCCGAATGAAGGAATAGCT
3651	CCTCGACCTGGCGTGATGGAAGGC
3652	TAACAGCCGTTTTGCGGTTCAAA
3653	GCCTCCTGCAGTACGGTGTCTGTT
3654	GGCAGTCGGTCCCACTTAGTTCTGA
3655	TAATCCACGGCTTTGGTGGAAGTC
3656	CGGTGCAAGATCCTGGTTGTGTGA
3657	TTTCACCACTACCTTAGGTCGGCG
3658	CATCCCGTACCGGGAGGACAAGTC
3659	ACGAGGTAAAGGGATCCGTGCTGG
3660	CTAATAGTTTGGCAGAGGGGCGCT
3661	AGCATGGTAACCCTGAGCCAGCAG
3662	GGAATCCTTGTGGGAACAGCCGAT
3663	CTGATGTGGGAAAGAGGGTGGGAC
3664	ACTTTTTGCAATCCCGGCGTTGTA
3665	GCGATGACGTGACGAGTTCTCACC
3666	CCAGGTATTGAGCCCCGCCATATA

3667	TTGGACGTCCTCCGAATATTGGCA
3668	GGTAAGTGCGGGAAGTACGCTGAC
3669	CCGCCTGAACCGTCGTAGGGATTA
3670	CGTTTTTGAGTAAGGATTGGGCGA
3671	TGTGGTATTGAGGCATAGGTGGCA
3672	TCCGGAAGGAAGGCGCGATATGGC
3673	GTTGAGCGAATCGGACGGCTTTAC
3674	TGAGTCTCCGAACGACAAGCGATC
3675	AGTGAAGAGGGAGAGTCCAACCCG
3676	GTGAAGCCTGACGAATCCAACGTG
3677	GTGCAGGCCTGTATCCCCATGACT
3678	GTGGGTTTCCTACACACCGGATGA
3679	GCGCCGTCGACTCTCTTCAGCTGC
3680	CTAGGCCTGCCATCACTGAGCAAT
3681	TTGGTGATGACTCATGGCCAGACC
3682	TATCTCCCGCGGGGTATATTACCG
3683	CCGAGGGACACGTATCCCTGTTCCG
3684	TATCCCGCAGCACGCATTTCGATCT
3685	TGATGATAGAGCAGGGTGCCGTCA
3686	GTAGGAGCACACATTTCGGATTCGG
3687	CCCTTACTACGCCAGCCCTTTTG
3688	GTACCAGGGGGTGTGCTCCAAGGG
3689	TGACCAGGCGGACCAGACGGTTTT
3690	CGTAAGCGGCGGTAGGTGTGCTAC
3691	CGCGGGGAGGGATCAGCAGTTTTG
3692	AAAGCGTATCCAGAAAGGCCATGG
3693	AAGAAGAGACGCATGCTTGGACGT
3694	TGGCCATTTGCGGGAGGTGGCTTA
3695	AACGCCGAATTGAGGAGGCGGTTA
3696	GCCTCATTACGACATTGGCAGCAT
3697	TCGAACGCGATTTTGAAATGCCC
3698	AGGAATTCTAGCCGAAAGCCCTGC
3699	TCCGCTGGTTGGGTGCTCTGGTTG
3700	GTCGCGCTCCGTCCGATAGTATGA
3701	TGTGCAAGGACGGATGATTGCACT
3702	GGACAAGCGGCAACCTGGGAGAAG
3703	ATGCGGTGGCTACGGACTAATCCA
3704	TGCACGCAGGTGGAAAGCAGGCTT
3705	AGATTGTGGGAGTTGTCACGCTCC
3706	AACAGCAGTGAGGGCTGAAGCTTG
3707	CTGCCTGTTTCCTTCACGCTCCAT
3708	CCAATCCACTTGAGTCAACTTGCG

3709	CATTCTACCGCCCAACTTTTGCAA
3710	CGGAGAACCATGCTGAGCAGTCCA
3711	GA CTGTTCTCCAGAAAGGCGCAT
3712	AAATAATTGCTCCACGCGAAGCGC
3713	GGGCCTGGAAGACCAACCAAATAC
3714	ACGACGCGAGCACGTAGATATCAA
3715	TACGGGATCCTCGTGGCTACATCT
3716	CAAAGTCTCCCCGACCGAGTTGAC
3717	CCCGAGGCGAAGATCTCTAGGCAC
3718	CAAAATTCTCGCCACGAGACCCTA
3719	CTGTGCGCATTCCAAACACATCAC
3720	CATGGAAATGCCAGCTGCCTCCAT
3721	CGCGAAACCACAGTCCTCGTCGGG
3722	GTCCGCAGCTGTCCCGACATTGGT
3723	GTCTCATTGGGACGATCGTCTCGA
3724	AGAGCGTTGCATGCTTGGCTGCGG
3725	CTTCCGCCCCTGTTGCAATGAGG
3726	TTGCGGTTCATACCGAAGCCAACA
3727	TGCGCGAGAATCGTTCGTACGACG
3728	TGTATACCGTAGGCGTCCGTGGGG
3729	TGCGGGGTATAGGGCTTCCTTATG
3730	ATCCCAGCCCAAGCAGCAGACGCA
3731	GTTCTTGGCCACAGGAATGGCCGT
3732	CACATGGGCATTAATTGCTACGGC
3733	ATAAGTCGGTCTGCCTGGCAATGA
3734	ACCTCGAGGCTGAGAACGTCAAAA
3735	GCGGAACGCTAGCCCCTTATGGTT
3736	TGCGAGGCTCCTGGAGCAATCCAA
3737	ACAGAAGGGCGATCGCTCTGGCTG
3738	GGTTGGCAAGGGGCCAGCTCCTAC
3739	ATCGCTTCGCTCTATGGAGTCCGA
3740	CGTCCCGATAGGCCGCCTTGATCT
3741	GAATTCTGAGGCGGCATTGTCCAC
3742	CAGCCCATCAGTATCGGCTGCGTA
3743	TGGAGAGTCGGATCCGTAGCGTCA
3744	TGGATCCAGTGCGAGTCTTGCCCG
3745	ATGCGGTCTGTGCTTGAATCCTCT
3746	ATCGCACTGCCGCGTCATAACAGC
3747	CACGTCTCCGCCGGAACACAACCTG
3748	AAGACAGTGGGTGAACGCACGGTA
3749	ACGCGCATAGGTGGTCAAACATCG
3750	CCCGGCGGTAGAAATTGACAACCT

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3751	AAGGGATACTCAGGCGCCTGTTTT
3752	CTTCTCTCTTGTGCGGGCTCCCGT
3753	TTGAAGGGACCTGCCAAATGGCGA
3754	ACGCATGACGACGTCCAGTACGGG
3755	AAATGGATGTTACGCCGGCAAGCT
3756	TCGTGCGAGGCCTCTTCGGCATAAC
3757	TACATCGCGTCGAGTCATTCTTGG
3758	TCACACCACATAATGGCACCACGT
3759	CAGGTTCACGGTTGAGGAGTGCGA
3760	GGTGTTACACCGCTTCGTTGTCCT
3761	ACAATAATAAGGGAGCATCGGCCG
3762	TCGGGTCCTATGATCCAGTCCCAA
3763	ACCCATTCTCCTGCGGCGATCAA
3764	TCGCAGGTGTAGACGGACGAAAAG
3765	CTCTTGCGTAGTAATCGGCCCGCA
3766	TTCCGTGTACGCGAGCCTGCTTT
3767	ACTCTAAGTAGGGCTGGGTCGCGA
3768	TTGGTGGCTGTAAAGGTGCTTGGC
3769	CCGAATTACCCATTCATACGGCAC
3770	GATGGATAGGTTGCTTCCCGCAA
3771	ATGACGGAAAGAATGTGATTCGGC
3772	ACGGTTCGGCTTCTGTTAGTCACG
3773	GGATCCCGTAATTGAGGCGGCCAC
3774	ACCCGTTAAGTCGACGCCTGCGGG
3775	TTCGATGTGAACGGTTGGCCAACC
3776	TCGATCGGGAGTCTACCGCCATGT
3777	AGCAACGAGTTTATGAGCGCAGGA
3778	TGGGAAACGAATGGGTGGCGGTTG
3779	TCTGTGTTGCCCCACCTACAGCAA
3780	CCTGCATTGGATGTACCCGCGGGT
3781	GAACGAGGTCCGGGTTTGCATCTC
3782	GGCGCCGAAGCAGAACGACCATAT
3783	AGGCATCACGCATCAGGTAATTGG
3784	TTTACAAAAGCATCGGCCCTGGGA
3785	CCCAGGCGGTCAACCAATTGTAGA
3786	CTGCAGCACGTGCCTGAAATTCGT
3787	CCGTTTTGCTCCAGCTATGAGCGT
3788	ATTTGTGCCGCATTGGGGTTATTC
3789	TAAGCAGAAAGCCGCAACTCCGGT
3790	GCGACTGATATAGTGCTCGGACCG
3791	AACTCTATTCTGACACCGCCCGAA
3792	GTGCGCTCCAAGAAGAAACACACC

3793	ACGACCAGCGGTCTGAGATCTAGG
3794	ATCCCCTCCTCAGGTCGACGCTGT
3795	TGACATACGCGTCACCCAGCACAG
3796	TAACCGCGACTCTGACTCCCTTGT
3797	AAGCGGTTTGATCTGTGCAATCGG
3798	CTGTCAACTCGGTCGTCCGCACAG
3799	AACTTTGCCGTTTAGGGCAGGTGA
3800	GCTGAAGAACTCCCAATTCGCTGG
3801	AAGATGCGATGGGTCAGTCCTCGT
3802	ACCCACCTCTGAAGGTTGAGACGG
3803	AGGCTACGCACCCTCGAGAGTGAC
3804	CGGTCACGAACGTGGTCCAGTTTT
3805	CAAAGCAACGCGCGCCACTTAAAA
3806	ACGAGGAAGGAACTGATCCCCAGT
3807	TTCGCCACTATGGGCTCAGCATT
3808	CGCTCGGCAGAGGAGTCCACTCAC
3809	TGTTGGCACGACTCCGTCCATGAA
3810	TGCCTACCCGGTGATTGCGACATC
3811	CAACGGTCGGATCTGAGGAGATCT
3812	CGTTACGAAGCGAAGTTCCCGAGT
3813	AGTGACGGCCAAAGTCGCCATTCT
3814	ATTCAGCTGGGCATAGGCGATGGG
3815	TAGGACAGCGTGGCTGGCTACACA
3816	AATTTGTCCAGCTCTGCACGACCG
3817	TGAGTGGGCTGTGATCCGTTCCAC
3818	TGTGGTGACACGCCAGAGCTGGTT
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3820	AGTCCCGCTTCTGCAAATTCGAA
3821	TCTGCGCCTACCCGTAAGCTGAAC
3822	GCCTCCTGAGTTGATTCATGCATG
3823	CCTAACGGTTGGTTCGCCGTTTTT
3824	TCGCAAACCCACGAATGAGTCCCG
3825	AGTGCTAAGGTGGGCGAGCAGAGG
3826	CTGGAGACTGCGATGGCAGGGTTG
3827	AAGGGATAGTGATGGCGATGGACG
3828	CTATCCACGGTGATGTCCGCCATT
3829	CGGACTAGAACTTGCCAAGCACGA
3830	AGAGCCGGATGGCATTGCATGAAC
3831	AGTTGGCTAGCGGTCGAATGAGCA
3832	GCATGCGGTCACCGCTTCATCTAA
3833	GTGAGATTCCAAGCTCGCCGGTGA
3834	GCCATCCACCGCACAAATGAACGCT

3835	GGGTGGTCCTCACTGTGGTTGGCA
3836	AGGCGGCTACGACGAGCGTCGTTA
3837	GCCAAGTGATCGTGCTTCCGCGTA
3838	TAGCCGTTTATTCCCTTGATGCGC
3839	ACTATGTGGGACGAGCGTCTGCGA
3840	GCACCTTCGAGAACCCATCAGATG
3841	ATTTTCTGTACCGATGCTCACCGG
3842	CACTGGAGCAATAAATGGCCAGGC
3843	GGGTTACGTATCTCATGGATGCG
3844	GCACGCTCCCAGTATGCTCCTTCA
3845	GAAGGGACTTAGTCCGCGGCCCTC
3846	TTCGTTACCCTAAGGGCGTTTGCA
3847	GTTCCAGGTCACGACGAGCTGCGC
3848	TCGTACGTAGTCACACCGCGACTT
3849	GGGCTGGAGTAGCGGTCTGCTATG
3850	TAGCGGCACTCGTGTTGCGAGTGG
3851	ACGTTGGGTTCTGACACGGCGATT
3852	TGTTGCTGCGCCCCAAGTGATCTT
3853	CCCAGGTCGTTACGGTGCATCACA
3854	CCTAGTGACAGGCAAATCGGGCT
3855	GGCGTTCTCCAAGATAAGGCCAAA
3856	ACTTCGATACCGTGGACCTCGCCA
3857	CTGAGCGCGCTAAACGTCCCTAGC
3858	ATCAGATAAACGATCCGACGCGTC
3859	CATGGCTGAATTTGTGACCCTCT
3860	CGAAAGCGAGCAAATAGAATCCCC
3861	AGATTGCCCTGCGGCAGGTTGAAT
3862	AAGAGGCGGCCGATCAGTTAGAAA
3863	CTGATGCCTGTAAGGAGGCGCTCG
3864	AATCGCGAGGTTTCGGCAGACAAAG
3865	CGTTGGGACACGGACCGTTCACTC
3866	AGATGTGTGCACTCGCGGTCAATT
3867	CAACTCGAGTGGCGGTAACATCTG
3868	ACCAAGGTTGCGATTACGGGAAGC
3869	CGAAGCGGTAGACGGCTCGCGTTA
3870	TCTCGGAACAGGAGGGAAGGCGT
3871	GTCCCGATTTGCGCTGTGAGGAAA
3872	TACCACGCGTCGGCACGGAAATGG
3873	AAATGCTACCCGATTGCGCGGGAT
3874	TCGATTCAAGTTTGTGCTGCGGAG
3875	CCATCTCATCCCACTATGGCATGC
3876	CTGGCCCGTGTTTGGTTGAGTCGA



3877	GACACACACGTTGCAGGGCTTCCC
3878	TCGAATCGAGTCGATCGTGAAGGT
3879	GAAAGCACTCGATCGCGTTGGATT
3880	AATTACGCGAACATGGGGCGTCAA
3881	GTGCTAACACTGTGGTCGTTCCCA
3882	GGTAAGCGCCAGCCAGGAGTTGTC
3883	GGCGATCGTTCAGGAATCGCGTCA
3884	CTGGCTAGACCTCCGACACAGGCT
3885	CGGGTTAAACGCCAACTGGCCTAG
3886	ATCGCAGCCTGGCCGCCTAGTTTT
3887	GGCGTAGCCTAGCAAATTATGCCA
3888	ATGACGCGACGGAGACAATACGGC
3889	GTTGCATCACGAAAATGCCGTCTT
3890	GAGTCATGCGTTCCTCGCTTTACC
3891	TCTGAACCGGTTATCCCCAACCTC
3892	TGCCTCTGGTAGGCGCCCAGTTAC
3893	CTGACGGTTTTTCATTGGCGTGCC
3894	TGAACACGAGCAAACTCCAACGC
3895	CGGCGCGCGAAAGACTTGAAC TTG
3896	GCTACGAGTACCCGTCGGAAACGC
3897	ATACCCAACAGCATGGAGCGACCA
3898	ATCGCATCGCATCGTATTCACGGG
3899	CGGCCTAGAGGTGCGAAAGCTATC
3900	TAACGCTTTTCCGAGGCCGATTCT
3901	TCTGTCCTAGCACGCCGACCTGCT
3902	CTCATCGTTCAGTCGGTCGTCGTA
3903	TCGTGAGCAGATAGCGGGGTAGG
3904	TCGACCACAGTCAGGAACTACCG
3905	TGCGATTCTATGATGTCCGAACGC
3906	CAAATGCAATGGCAAGCACTCACC
3907	TCTAATCCATCGTTTTTTGGGCGA
3908	TCTCAACTCCGGTACGACGAAACA
3909	CTGAAGAGGGTAGCCTGGGAGCGG
3910	GGCACAATTAAAACGCGCCGCGTT
3911	CAAAGGAGGGTCAAAGGCCAGAAA
3912	TTTGCGGCCGTGACGAGCAAAAAT
3913	AGGAATGTGCGTGGCACCTGTGGA
3914	TCGTGATGACTGCCTTCCGAATCA
3915	CACGTGACATGTTTGGTACCTCG
3916	TTGCGGTAGTTTGGTTACCACCGT
3917	GCAGTGGCGACAAATACAGCTGAG
3918	ACGGCATGATGGAGGGATAAACGT

3919	TGGGATAATCCGCAAGCGCATAGC
3920	CCTAGCTCTGCTGCGTCTTTGCGC
3921	TCCTGGAAGTCTGAAGGCGACTT
3922	CGAAGGCGGCATGGTGTAGTCTCC
3923	AACATTGTTCCCATCCCAGAGCAC
3924	CCAGGCAAGAAACAACCACGCGCT
3925	AAATCCACAGGCGCGCCAAAGCTG
3926	GCTCACCGCAGACTCCGCGCGATA
3927	TAGGTGGCGAGAGAGCGCCACAA
3928	GGCGTTGGTGTGTCTGGGACCATGA
3929	TCTGAATGCTTCCGTGCTTTCTGTG
3930	ACGCTCTGGACCTCGCTCATTCTGA
3931	TCCTTTATGCGCAGCGCTCGTGTT
3932	TTGCCGTCTGCGCAGGAGTAGCTC
3933	GGTCTAGTGGCAGCAAGGAGCGAT
3934	GGTAACGCGACCAGCTTAGACACC
3935	GTGGCGATTGGCTTCTATGCATA
3936	TCAAATACGGCCAGGAAGGGCAA
3937	TGCCATGCAGTCAGGTACGATGGT
3938	ACAGGTTACGTCGTGTGTTCCCGT
3939	CTCATGACGAACGAGCGGTCTGCA
3940	GTCGTGCGAGAGGCCAAGACCTTA
3941	GCTGGCTGACGCTGTTGTCAGAGG
3942	GCTACAGTGCTGCGTCCCGTGCCCT
3943	TTTACGAGCACCAAGCTGGCGTAG
3944	ACGAGTTGACGGTCGTAGGGACCG
3945	TCGGATGGTAGGAGGCGAGATCGG
3946	ATTATGCAGATCCTGTGCATCCGC
3947	AGGGATGGAGACGAAGGAAGCATT
3948	ACCCCAGGACCCGTATTCCCTAGC
3949	GCACCATCCTGGGGCTTCTCAATG
3950	TACAATCCGTGGACGTTTGCTCAG
3951	GGTAGGCGAATCCGACTGGCATAG
3952	AGGACCGAACCCATGTGCAGCATC
3953	ATACACCGCACAGAAGCACAGCTG
3954	TCCTTGGCGGCCGTGTGTTTATTG
3955	CTCCACGCGAAGGGCGCTTGTAAC
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3957	TGTCTATTGCGCAGCGTGAGCATC
3958	TGTTGTTGGCACGCCTCTACGGCA
3959	GTGCCTCAACCGTATCGTGGCGGT
3960	TCCTCGAAGTAGCGTGACCGAACC

3961	AAACAATTTCTGCACTCTCGGCC
3962	CACAAACTCGTCGAGGCACACAGT
3963	GACGAAACGCTCGGCAGAAAGCCT
3964	TCAACTCACACGGGACAGCAGTTC
3965	TCACGTGGATGGGCTTAGCTGGGC
3966	AGGTGTTTGTTCGACTGGCCACA
3967	TCAACCCTCTATTCCCGAGCATTG
3968	ACCTCACACAAGCGTTCTCGTCGA
3969	AACAGCATGCGGTCGCTGGCTTTC
3970	CACGGACACGTGTTACATCCGATG
3971	CTGGGAGCCTGCTGATACATGGTG
3972	CGTCCTATGGGCCATGGCCAGGAT
3973	GTCCCCAAATCTCGCTTTACAGGC
3974	TCACAAACCTGTGCGTGCATTGTC
3975	CACACTCGTGGCCTGCGTTGGGAA
3976	GCCTGCACTTACGGCTATCTCGCC
3977	TTGGCGTGGCGATTACCTGTTATT
3978	TTTGCGGCTGAAGTTTACAGGGTG
3979	CACTTAAGGGGCTGACCGAGCAAC
3980	AGAAAACGTCAATCCGCCACCTTT
3981	AACAAAACGGCGCTCCAACAAACG
3982	GCCTCAATATCTGGTTGCCGCCTG
3983	TTCCACAGTCAATGATGGGCGTGC
3984	GATTCCCAGTCTACCCGCGAGCAT
3985	AGGCCAATTACGACCCTGTCACGG
3986	CATGCGAACGTTCCGAGGAGACGG
3987	CACACGCGATGGGTTGTGTGACGC
3988	TCCGGTATTGCGCAGGAACCATAG
3989	AAGATTAGGTGTGCCCCGCCTCAGG
3990	TCGTTACGCCCCGACTCGACGATG
3991	ACTAAAATCGCCAGGTTGCTCCCT
3992	AGGATGGCCACGCCGAATCAAAGT
3993	TGATGAAGCAGCTCATCGCTGGCG
3994	CCCCGATGGGTCTTTGTTGGA CT C
3995	ACACGAGGGCTGCTGGTGAGGGCT
3996	TGGTCACCAATTTGATGATCCGAG
3997	AAGGCCGCTTGCATGCGACAAATT
3998	CCAGTGTTTCGTTTCATCGGTGGCGT
3999	CCGACCGCTACATAGGTGTGCGAA
4000	TGTTGAAGCCGTTCCCAGATGACA

TABLE 2

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
1	TTCGCCGTCTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
2	TTCGAAGCGCACGTCCCTTTTCAA	TTGAAAAGGGACGTGCGCTTCGAA
3	AACGCGTGGGAATGGGACATCAA	TTGATGTCCCATTCACCGCGTT
4	CCGTCGCATACCGGCTACGATCAA	TTGATCGTAGCCGGTATGCGACGG
5	ATGGCCGTGCTGGGGACAAGTCAA	TTGACTTGTCCCAGCACGGCCAT
6	TTGCAACGGGCTGGTCAACGTCAA	TTGACGTTGACCAGCCCGTTGCAA
7	CGCATAGGTTGCCGATTTTCGTCAA	TTGACGAAATCGGCAACCTATGCG
8	CCGTTTTCGGTCTGCTTGTCTCAA	TTGAGCAAGGACGACCGCAAACGG
9	TTCGCTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
10	GTCCAACGCGCAACTCCGATTCAA	TTGAATCGGAGTTGCGCGTTGGAC
11	TTGCCGCACCGTCCGTCTATCTCAA	TTGAGATGACGGACGGTGCGGCAA
12	CATCGTCCCTTTCGATGGGATCAA	TTGATCCCATCGAAAGGGACGATG
13	GCACGGGAGCTGACGACGTGTCAA	TTGACACGTCGTCAGCTCCCGTGC
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAAGGGTCCCGTGTGTCAA	TTGACAGCACGGGACCCCTACACG
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTACTTGACGCGATG
17	GGCTGGTTTCGGCCCGAAAGCTTAG	CTAAGCTTTCGGGCCGAACCAGCC
18	GTTCCCAAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTACGGGCACCGGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTCATTGACCGTTC
22	GCGGCCCTTGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTGCTCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCGTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACCAGTG
27	GTCGGGCATAGAGCCGACCACCT	AGGGTGGTCGGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTTC
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATTATGACA
37	ATATCGGGATTTCGTTCCCGGTGAA	TTCACCGGGAACGAATCCCGATAT

38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42	TAGCGGACCGGCAGAATGAGTTCC	GGAAGTCATTCTGCCGGTCCGCTA
43	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTGATGTACC
44	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45	GCCAAATCTGGATTGGCAGGAATG	CATTCTGCCAATCCAGATTTGGC
46	TGCATTTTCGGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG
49	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCTGAATT
50	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
51	CCAACAACCTGGAACGGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
52	GAGAACTGATCGCTGAGGGGCATG	CATGCCCTCAGCGATCAGTTCTC
53	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC
54	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
55	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTACACCGGCAGAC
56	CATCGCAGAGCATAAACACCCTCA	TGAGGGTGTTTATGCTCTGCGATG
57	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
58	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
59	GGAATGAGTGGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
60	TGTCAATATGCGTCCGTGTCGTCT	AGACGACACGGACGCATATTGACA
61	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCCTGAGGCTCATCA
62	CACCGCGGTGTTCTACAGAATGA	TCATTCTGTAGGAACACCGCGGTG
63	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
64	TTAACCTGCGTCTGCCCCCTTTCCT	AGGAAAGGGGCAGACGCAGGTTAA
65	AGGCGCGTTTCTGCCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
66	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
67	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
68	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
69	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTCTCACAATGCGGA
70	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAAACCGCC
71	GGTGAAAATTTCTAGCCACGGGC	GCCCGTGGCTACGAAATTTTACC
72	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTCGG
73	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAAACTGG
74	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
75	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
76	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
77	CAGGGCATGCAATAATCGAGGTTT	GAACCTCGATTATTGCATGCCCTG
78	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG

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79	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
80	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
81	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGCGCCATC
82	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
83	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTCAGTGCAAAT
84	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTAACCGTTCTCCCTG
85	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
86	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT
87	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTCA
90	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
91	CAGTGTCTAACGGCGCGCGTGAA	TTACGCGCGCCGTTAGAACACTG
92	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
94	CTTTCAGGGGAAC TGCCGGAGTCG	CGACTCCGGCAGTTCCCCTGAAAG
95	TTGTGGCCTTCTTGTAAGGCACG	CGTGCCTTTACAAGAAGGCCACAA
96	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTCGCCGTTCTGTGA
97	CGACCTTGACGAAACCTAACGAG	CTCGTTAGGTTTCGTGCAAGGTCG
98	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99	CGCTTTCTGTGCGAATAGACGATGA	TCATCGTCTATTGCGACGAAAGCG
100	TGCGCTTACAGGCTCCTAGTGGTC	GACCACTAGGAGCCTGTAAGCGCA
101	CACGCGCTTAGTCGCGATCGCATA	TATGCGATCGCGACTAAGCGCGTG
102	CGGAGGGAGGGAGCTAGCCTTCGA	TCGAAGGCTAGCTCCCTCCCTCCG
103	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105	CCTTCCAATGATTGCATACGCCCA	TGGCGGTATGCAATCATTGGAAGG
106	AACACTTGATCAGGCGGGTCGTCT	AGACGACCCGCCTGATCAAGTGTT
107	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108	GCTCCCGTAACCTGTCCACCAGTG	CACTGGTGGACAGGTTACGGGAGC
109	AGTGGTGAATGGCCGCTACCCTGA	TCAGGGTAGCGGCCATTCACCACT
110	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
111	CAGCGCTCCAGAATTGACAGCAAT	ATTGCTGTCAATTCTGGAGCGCTG
112	AAGGTGGTGCCATTCATTTGGCTA	TAGCCAAATGAATGGCACCACCTT
113	CGTTAAACCGCAATCCGTTTCGGCT	AGCCGAACGGATTGCGGTTTAACG
114	CACGAGATACCGGCGTAAGGGTGG	CCACCCTTACGCCGGTATCTCGTG
115	CTACGGCAAACGTGTGGAATGGGT	ACCCATTCCACACGTTTGCCGTAG
116	GTAGGGCGATGACGGGCGAACTAC	GTAGTTCGCCCCTCATCGCCCTAC
117	AATCGACCTCCGCACACATTCGCA	TGCGAATGTGTGCGGAGGTCGATT
118	GAGTCAGCATGGCGGCGGAGATTC	GAATCTCCGCCGCCATGCTGACTC
119	AGATAAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT

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120	GGTACCTCAACGCGAACCACCTTGT	ACAAGTGGTTTCGCGTTGAGGTACC
121	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
122	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGTTCTGCATAAGCTCT
123	ATCGGTCTCACGCAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
124	TAGGTTGCCC GCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA
125	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
126	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTTCATCA
127	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
128	AACATTGCGCGGTCCACCAGGGTT	AACCCTGGTGGACCGCGCAATGTT
129	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCCC
130	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACAGGGGACCAGCTCGA
131	GTCTTGGGGGCCGCTTAGTGAAAA	TTTTCACTAAGCGGCCCCCAAGAC
132	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
133	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
134	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
135	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT
136	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
137	CGCACCAAAGTGAAGTTTCCAGAC	GTCTGGGAAACTCAGTTTGGTGCG
138	ACCTGATCGTTCCCCTATTGGGAA	TTCCAATAGGGGAACGATCAGGT
139	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCTCTGTTCC
140	CCCTGCCTTGGCGTGTGCGGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
141	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTGAGAGT
142	CTGACGGTTTTTCATTGCGCGTGCC	GGCACGCCGAATGAAAACCGTCAG
143	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
144	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
145	AGGCCGTAAAGCGAATCTCACCTG	CAGGTGAGATTCGCTTTACGGCCT
146	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTCG
147	ACAGACGAGCTCCCAACCACATGA	TCATGTGGTTGGGAGCTCGTCTGT
148	GGACGGTTTGTGCTGGATTGTCTG	CAGACAATCCAGCACAAACCGTCC
149	AAAGGCTATTGAGTTGTTGGGCG	CGCCCAACCAACTCAATAGCCTTT
150	GATGGCCTATTCGGAGATCGGGCC	GGCCCGATCTCCGAATAGGCCATC
151	GATCCAGTAGGCAGCTTCATCCCA	TGGGATGAAGCTGCCTACTGGATC
152	AATAACTCGCGCGGGTATGCTTCT	AGAAGCATACCCGCGCGAGTTATT
153	GGAGGAGGTTTGTCTCGGAAAGCA	TGCTTTCCGAGACAAACCTCCTCC
154	CTTTGGTATGGACATGCTGCCCG	CGGGCAGCATGTGCCATACCAAAG
155	AGAAAGGCTCGAGCAACGGGAAGT	AGTTCCCGTTGCTCGAGCCTTTCT
156	AATCTACCGCACTGGTCCGCAAGT	ACTTGCGGACCAGTGCGGTAGATT
157	CGTGGCGGCCACAGTTTTTGGAGG	CCTCCAAAACTGTGGCCGCCACG
158	TTGCAGTTCAATCCATACGCACGT	ACGTGCGTATGGATTGAACTGCAA
159	GGCCCAAAGCCCCAGACCATTTTA	TAAAATGGTCTGGGGCTTTGGGCC
160	CGCCTGTCTTTGTCTCCGGACAAT	ATTGTCCGGAGACAAAGACAGGCG

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161	TGAGGCAACAGGGGCCAAAACTA	TAGTTTTTGCCCCTGTTGCCTCA
162	AGCGGAAGTAGTCCTCGGCTCGTC	GACGAGCCGAGGACTACTTCCGCT
163	GGCCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGCGGCC
164	GCACGTGAAGTTTAACCGCGATTTC	GAATCGCGGTAAACTTCACGTGC
165	AGCGGCAGAAACGTTCTTGACGG	CCGTCAAGGAACGTTTCTGCCGCT
166	TCGTCGAGCAGACGAGATTGCACG	CGTGCAATCTCGTCTGCTCGACGA
167	TCTTTGCCGCGTAACGACTGCTT	AAGCAGTCAGTTACGCGGCAAAGA
168	TTTATGTGCCAAGGGGTTAACCGA	TCGGTTAACCCCTTGGCACATAAA
169	TGTTACTGTGGTTCACGGCAGTCC	GGACTGCCGTGAACCACAGTAACA
170	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
171	ACAAATGCGTGAGAGCTCCCAACT	AGTTGGGAGCTCTCACGCATTTGT
172	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
173	CAAATAACGCCGCTGAATCGGCGT	ACGCCGATTCAGCGGCGTTATTTG
174	CCTTCGTGCATCGGTGATGATGTT	AACATCATCACCGATGCACGAAGG
175	TGAACACGAGCAACACTCCAACGC	GCGTTGGAGTGTTGCTCGTGTTCA
176	CAGCAGATCCTTCGTAGCGGTCGT	ACGACCGCTACGAAGGATCTGCTG
177	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTACCAGGTTCC
178	TCATAAGCGACAATCGCGGGCTTA	TAAGCCCGCGATTGTGCTTATGA
179	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
180	TGTCAGAGCCC GCGACTCAGACGG	CCGTCTGAGTCGCGGGCTCTGACA
181	TACACGAAGCCTCTCCGTGGTCCA	TGGACCACGGAGAGGCTTCGTGTA
182	CTCAGAAGTCCTCGGCGAACTGGG	CCCAGTTCGCCGAGGACTTCTGAG
183	ATCCTTTTATCTACTCCGCGGCGA	TCGCCGCGGAGTAGATAAAAGGAT
184	AGGCGTGACGCAACAGGATAAACC	GGTTTATCCTGTTGCTGCACGCCT
185	ACTCTCGAGGGAGTCTCTGGCACA	TGTGCCAGAGACTCCCTCGAGAGT
186	TTGCCAGGTCCATCGAGACCTGTT	AACAGGTCTCGATGGACCTGGCAA
187	TCCACTATAACTGCGGGTCCGTGT	ACACGGACCCGCGAGTTATAGTGGA
188	GCCCAGTCGGCTCTAACAAGTTTCG	CGAACTTGTTAGAGCCGACTGGGC
189	CGGAACGGATAATCGGCGTCAGGT	ACCTGACGCCGATTATCCGTTCCG
190	TAAAATAAGCGCCTGGCGGGAGGA	TCCTCCCGCCAGGCGCTTATTTTA
191	GCGCACTCGTGAAACCTTTCTCGC	GCGAGAAAGGTTTCACGAGTGCGC
192	AGTTTGCCAGGTACTGGCAAGTGC	GCACTTGCCAGTACCTGGCAAAC
193	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
194	TTCGCAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
195	TAACCCGATTTTTGCGACTCTGCC	GGCAGAGTCGAAAAATCGGGTTA
196	CGTCGCATTGCAAGCGTAGGCTTG	CAAGCCTACGCTTGCAATGCGACG
197	GAGCTGACGTCACCATCAGAGGAA	TTCCTCTGATGGTGACGTCAGCTC
198	GGAGGCTGGGGGTCGCGCTTAAGT	ACTTAAGCGCGACCCCCAGCCTCC
199	TTGTGGGAACCGCACTAGCTGGCT	AGCCAGCTAGTGCGGTTCCACAA
200	CCCTCGCACTGTGTTACCCCTCTT	AAGAGGGTGAACACAGTGCGAGGG
201	TCATTGACTCGAATCCGCACAACG	CGTTGTGCGGATTCGAGTCAATGA



202	ACAGGGGTTGGCCTTCGTACGTAC	GTACGTACGAAGGCCAACCCCTGT
203	AGGCCGTGCAACATCACACAGGAT	ATCCTGTGTGATGTTGCACGGCCT
204	GGGCCGTGGTCACGTAATATTGGC	GCCAATATTACGTGACCACGGCCC
205	GCGCGGACATGAAACGACAAGGCC	GGCCTTGTCTGTTTCATGTCCGCGC
206	CTTATTGGGTGCCGGTGTCTGGATT	AATCCGACACCGGCACCCAATAAG
207	GGGGCGGTTACCAAAAATCCGAT	ATCGGATTTTTTGGTAACCGCCCC
208	GCTAAAGCGTGCTCCGTAAGTCC	GGCAGTTACGGAGCACGCTTTAGC
209	ATCTCATGCATCTCGGTTTCGTCT	ACGACGAACCGAGATGCATGAGAT
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211	CCAAGTACACCGCACGCATGTTTA	TAAACATGCGTGCGGTGTACTTGG
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213	TCCAGATACCGCCCCGAACCTTGA	TCAAAGTTCGGGGCGGTATCTGGA
214	TCTGCTGGCAGCACGTGAAGTGGC	GCCACTTCACGTGCTGCCAGCAGA
215	TTGAAATTGCTCTGCCGTCACTCA	TGACTGACGGCAGAGCAATTTCAA
216	AGTCAGGCGAGATGTTCAAGCAGC	GCTGCCTGAACATCTCGCCTGACT
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219	GTGAGACACACATCCCCTCAATG	CATTGGAGGGGATGTGTGTCTCAC
220	CGACGGATGCAGAGTTCAGTGGTC	GACCACTGAACTCTGCATCCGTCG
221	CCCGCATGCCTGGCGGTATTACAA	TTGTAATACCGCCAGGCATGCGGG
222	TTAGCAAAGCGGCGCCGTTAGCAA	TTGCTAACGGCGCCGCTTTGCTAA
223	CCCGACACGGGTCAGCGTAATAAT	ATTATTACGCTGACCCGTGTCTGGG
224	GCGACGGCCCTGAGGTATGTCTGTC	GACGACATACCTCAGGGCCGTCGC
225	CAAAAGTGTGTTCCCTTGCGCTTG	CAAGCGCAAGGGAACACACTTTTG
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227	ATGCTAACCGTTGGCCATGGAAC	AGTTCCATGGCCAACGGTTAGCAT
228	CTTGCGGAGTGTTAGCCCAGCGGT	ACCGCTGGGCTAACACTCCGCAAG
229	TGCTCCCTAGGCGCTCGGAGGAGT	ACTCCTCCGAGCGCCTAGGGAGCA
230	CCAATGCCTTTGAGTAAGCGATGG	CCATCGCTTACTCAAAGGCATTGG
231	AGCAGATAACGTCCCAATGACGCC	GGCGTCATTGGGACGTTATCTGCT
232	TTGACCATTACGTGTTGCGCCCAT	ATGGGCGCAACACGTAATGGTCAA
233	TCGCGTATTTGCGGAATTCGTCTG	CAGACGAATTCCGCAAATACGCGA
234	CTGCGTGTCAACAATGTCCCGCAG	CTGCGGGACATTGTTGACACGCAG
235	TCTGGTGCCACGCAAGGTCCACAG	CTGTGGACCTTGCGTGGCACCAGA
236	CTCCGGGAGGTCACCTTAATTGCGG	CCGCAATTAAGTGACCTCCCGGAG
237	TTTTCTGTGATTGCCCGGAGGAGGC	GCCTCCTCCGGGCAATCACGAAAA
238	TCGGGATGTAGCTGGGGCTACCGG	CCGGTAGCCCCAGCTACATCCCGA
239	CGAGCCAACGCAAACACGTCCTTG	CAAGGACGTGTTTGCGTTGGCTCG
240	GCAAAGCCTTTGTGGGGCGGTAGT	ACTACCGCCCCACAAAGGCTTTGC
241	ATTCGACCGGAAATGAGGTCTTCG	CGAAGACCTCATTTCCGGTCAAT
242	TTCGCTTGCTGAGTTGCTCTGTTC	GAACAGAGCAACTCAGCAAGCGAA

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243	CGCGTGAAGACCCCATTCGAGT	ACTCGGGAATGGGGTCTTCACGCG
244	AACCGTATTCGCGGTCACTTGTGG	CCACAAGTGACCGCGAATACGGTT
245	GGGGCCAACCGTTTTGAGGCGTAT	ATACGCCTCGAAACGGTTGGCCCC
246	TTCGGCTGGCAGTCCAAACGGCTT	AAGCCGTTTGGACTGCCAGCCGAA
247	GGGTGTGGTTAGAATGCACGGTTC	GAACCGTGCATTCTAACCACACCC
248	GCGAGGACCGAACTAGACAAACGG	CCGTTTGTCTAGTTCGGTCCTCGC
249	ACGCACGCGTGACCGAAGTTGCTG	CAGCAACTTCGGTCACGCGTGCCT
250	TAAAAGGTGCGTTTTGAAAGGGGGA	TCCCCCTTTCAAAGCGACCTTTTA
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253	ATGCTGACATGTCGTGCACCTCGT	ACGAGGTGCACGACATGTCAGCAT
254	TGTGGTTAAAGCGTCCGTTCAACG	CGTTGAACGGACGCTTTAACCACA
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257	GTCTGCACTCACGCAGCGGAGGGA	TCCCTCCGCTGCGTGAGTGCAGAC
258	GCACGAGTTGGTGCTCGGCAGATT	AATCTGCCGAGCACCAACTCGTGC
259	AACGTGCGACGACACAGTTCGTC	GACGAACGTGTGTGCTGCGACGTT
260	ATGCGCGCTTATCCTAGCATGGTC	GACCATGCTAGGATAAGCGCGCAT
261	TCACGTTTTCTGCTCGACATGAGG	CCTCATGTGAGACGAAAACGTGA
262	TGTGCCCTCATCCTTAGGATACGGC	GCCGTATCCTAAGGATGAGGCACA
263	AGGTGGTGTGGGTCAACCGCTTTA	TAAAGCGTTGACCCACACCACCT
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267	TACGTGTGGAGATGCCCCGAACCG	CGGTTCCGGGCATCTCCACACGTA
268	GCGCTATGTCAATCGTGCGCTAG	CTACGCCCACGATTGACATAGCGC
269	AGCGAGGTTTCTAGCGTCGACACC	GGTGTGACGCTAGAAACCTCGCT
270	ACCCAGGTTTTGCCGTTGTGGAAT	ATTCCACAACGGCAAACCTGGGT
271	CCCTGTAAACGGCTGCGTAGTCTC	GAGACTACGCAGCCGTTAACAGGG
272	AGGCCGATTTACCCGCCAATTGC	GCAATTGGCGGGTGAAATCGGCCT
273	GAGCCCTCACTCCTTGCCCTTTGA	TCAAAGGGCAAGGAGTGAGGGCTC
274	GGGTGGACATCCGCCTCGCAGTCA	TGACTGCGAGGCGGATGTCCACCC
275	GATGGCTGAGAACCGTGCTACGAT	ATCGTAGCACGGTTCTCAGCCATC
276	TCGACGTTAGGAGTGCTGCCAGAA	TTCTGGCAGCACTCCTAACGTCGA
277	CGAATGGGTCTGGACCTTGACATAG	CTATGCAAGGTCCAGACCCATTCTG
278	GTGCACCAGACATTGCAACTCGGA	TCCGAGTTTGAATGTCTGGTGCAC
279	AGAGGCCCGTATATCCCATCCAT	ATGGATGGGATATACGGGGCCTCT
280	AACGCCTGTTTACAGCATCAGCGG	CCGCTGATGCTCTGAACAGGCGTT
281	AAGGCTCAACACGCCTATGTGCGC	GCGCACATAGGCGTGTTGAGCCTT
282	AGTCCGTGTTGCCAGATTGGCTCG	CGAGCCAATCTGGCAACACGGACT
283	ATGTCCCATGTAAAGACGCGTGTG	CACACGCGTCTTTACATGGGACAT

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284	ATGGAGTCTGCTCACGCCCAAAGG	CCTTTGGGCGTGAGCAGACTCCAT
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286	CAGAGCCGTGGCAACATTGCGAGC	GCTCGCAATGTTGCCACGGCTCTG
287	TCATTTGAATGAGGTGCGCACCGG	CCGGTGCGCACCTCATTCAAATGA
288	GACGTACCGGAAGCGCCGTATAAA	TTTATACGGCGCTTCCGGTACGTC
289	ATGCGAGCAATGGGATCCGGATTC	GAATCCGGATCCCATTGCTCGCAT
290	AGAGTGAGGCCTCCCTGACCAGTG	CACTGGTCAGGGAGGCCTCACTCT
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292	TGAACCTTTGAGCACGTCTGCGC	GCGCACGACGTGCTCAAAGGTTCA
293	TCCGCCTTTTTGGTTACCTCGAAG	CTTCGAGGTAACCAAAAAGGCGGA
294	GAACGCCAACGGCACTAACACATC	GATGTGTTAGTGCCGTTGGCGTTC
295	CCGACAGCAGCCAAGACGTCCCAG	CTGGGACGTCTTGGCTGCTGTCCG
296	CATAAAAAACCTGGGGCTCTGCG	CGCAGAGCCCCAGGTTTTTTATG
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301	CCCGATATTCGCCCGGCCTATTTCG	CGAATAGGCCGGGCGAATATCGGG
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303	AACCTTGACCCGTGGATGACGCTA	TAGCGTCATCCACGGGTCAAGGTT
304	GGCTAGACGATGGATACCCGTGCC	GGCACGGGTATCCATCGTCTAGCC
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306	GCTTCCGGATGAACGGGATGGTTG	CAACCATCCCGTTCATCCGGAAGC
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308	TTGATGGGCGGCAATGCTCTTGCT	AGCAAGAGCATTGCCGCCCATCAA
309	ATTGTGAGATGCGCCAAATTCCCC	GGGGAATTTGGCGCATCTCACAAT
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311	ACTCCACTCCTCGGTGGCAAATA	TAGTTTGCCACCGAGGAGTGGAGT
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313	TCTCAACTCCGGTACGACGAAACA	TGTTTCGTCTGACCGGAGTTGAGA
314	TTGCGTGGTCAAAGGCGCAACGTG	CACGTTGCGCCTTTGACCACGCAA
315	AGACAGCGATCCGCGGCTCATGAT	ATCATGAGCCGCGGATCGCTGTCT
316	CGCGTCTCTAACTGAGAGCAGCCA	TGGCTGCTCTCAGTTAGAGACGCG
317	AGGCGCACATGTACGGACATTCAG	CTGAATGTCCGTACATGTGCGCCT
318	GATGAGTGGCACGTCCGGTGTGTAA	TTACACACCGACGTGCCACTCATC
319	TGATCCATATTGTCGGACGTTGCG	CGCAACGTCCGACAATATGGATCA
320	ACCTGCCGGGAGTTCATAGGCTAG	CTAGCCTATGAACTCCCGGCAGGT
321	AGCATTGGCGTTTTTCCGCAACGA	TCGTTGCGGAAAAACGCCAATGCT
322	GGTAATATTCAGCGCGACCGCTCA	TGAGCGGTGCGCGCTGAATATTACC
323	ATAGCGTACGACGAGGTGACGCGC	GCGCGTCACCTCGTCGTACGCTAT
324	TAGGTCACGATGCGTTTGACGCTA	TAGCGTCAAACGCATCGTGACCTA

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325	ACTGCCCGTACCTCTGGTTCTGGC	GCCAGAACCAGAGGTACGGGCAGT
326	CCTTTGGCCTGAAGTTGTCGTAGC	GCTACGACAACCTTCAGGCCAAAGG
327	GTGCCCCACGAGCGTATCGTTGTA	TACAACGATACGCTCGTGGGGCAC
328	AGGCGCTACGTGGGCCTGGAGCAA	TTGCTCCAGGCCCACGTAGCGCCT
329	GGGTGCTACCATTCGATTAGTCCG	CGGACTAATGCAATGGTAGCACCC
330	ACCACGCGCGTACGTGTAACCGAG	CTCGGTTACACGTACGCGCGTGGT
331	CCATGATGCATTGGGTGCATTTAG	CTAAATGCACCCAATGCATCATGG
332	GGTCCGGCCCTACGAAACGTTCTGA	TCGAACGTTTTCGTAGGGCCGGACC
333	CCGTGTGGCTGGAGATTCGTGTGA	TCACACGAATCTCCAGCCACACGG
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335	GGGTCAGTCAGGTGCGTTAGGATC	GATCCTAACGCACCTGACTGACCC
336	GCCGTGAAGTCGAATGCAGATCGA	TCGATCTGCATTGACTTCACGGC
337	GCCACCACCCAGTGCATTCAGGTA	TACCTGAATGCACTGGGTGGTGGC
338	GAGCTTAGTTTGCGGTCATCGGGC	GCCCGATGACCGCAAACCTAAGCTC
339	TGTTTGCCGCCATTAGGGAGTAAC	GTTACTCCCTAATGGCGGCAAACA
340	GCTCCGCTGGATGTGCCGGTTTAG	CTAAACCGGCACATCCAGCGGAGC
341	CGGTAGCATGCGAGATCCCTGTTA	TAACAGGGATCTCGCATGCTACCG
342	CTACGCTCTACCAAGTTGCCTGCGA	TCGCAGGCAACTGGTAGAGCGTAG
343	GTGCCTCCTGCTGTATTTGCCAAG	CTTGCAAATACAGCAGGAGGCAC
344	TTGCGACTCGACTTGGACGAGTAG	CTACTCGTCCAAGTCGAGTCGCAA
345	TCTGGGAGCTGTTTACTCCAGCCA	TGGCTGGAGTAAACAGCTCCCAGA
346	TGCACGCGGAACTCCCTTTACCAT	ATGGTAAAGGGAGTTCCGCGTGCA
347	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTCGATTCATTTGCTGCCA
348	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
349	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
350	ATGCCCTCCTTCATGGAAGGGTT	AACCCTTTCCATGAAGGAGGGCAT
351	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
352	ATAGCGGAGTTTGGGTACGCGAAC	GTTTCGCTACCCAAACTCCGCTAT
353	ACCTACGCATACCGCTTGGCGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGGCCATTAGGTAATC
355	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTCGAGCGCATCATTCCG
357	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359	TCACGACAGACGGGCCGAGATTAC	GTAATCTCGGCCCCTGTGTCGTGA
360	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGCCAAATTGCTT
361	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362	TTGTGAATCCGTTCTGTCCCCGAC	GTCGGGGACAGAACGGATTACAA
363	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGACGTTCCGGTGCA

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366	GCCAGTATTCTCGGGTGTGGACG	CGTCCAACACCCGAGAATACTGGC
367	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCGGTCTTAGGTAGCGA
368	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369	CGCGTCCCAGCGCCCTTGGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCCGGTAGGCTTCAT
371	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCCACGCCA
373	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374	GCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375	ATTACGGTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377	GGGCCGCATTCTTGATGTCCATTC	GAATGGACATCAAGAATGCGGCC
378	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCACATCCGAGG
379	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTTCGTATCG
381	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA
382	CATACGATGTCCGGGCCGTGTCCG	GCGACACGGCCCGGACATCGTATG
383	ATCCGCAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385	ATTGGAGTGTGTTTGGTGAATCCGC	GCGGATTACCAAACACTCCAAT
386	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTC
387	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCCAAACCTTAAGCTTGACGGC
388	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCACGATT
390	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC
391	ACCCGTCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGATCGCCACCCGGAT
393	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394	GCAAAGTCCCCTGGCAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTCTG
396	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACTGCGCTCATGAG
397	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398	TCAAAGGCTCTTGGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399	TCCGCTAATTTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
400	ACGCACGGCGCTTTTGCCTTAATG	CATTAAGGCAAAAGCGCCGTGCGT
401	TGACAACGTCAACAAGGAGCAGGAC	GTCCTGCTCCTTGTGACGTTGTCA
402	CTTAGTTGGGGCGCGGTATCCAGA	TCTGGATACCGCGCCCCAACTAAG
403	GCTCTAATGCCGTGGAGTCGGAAC	GTTCCGACTCCACGGCATTAGAGC
404	CCGATTACAAATTGACTGACCGCA	TGCGGTCACTCAATTTGTAATCGG
405	AGACGTACGTGAGCCTCCCGTGTC	GACACGGGAGGCTCACGTACGTCT
406	AATGGAGCGATACGATCCAACGCA	TGCGTTGGATCGTATCGCTCCATT

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407	GGAGGCGCTGTA CTGATAGGCGTA	TACGCCTATCAGTACAGCGCCTCC
408	TGTTTTGAATTGACCACACGGGA	TCCCGTGTGGTCAATTCAAAAACA
409	CATGTCTGGATGCGCTCAATGAAG	CTTCATTGAGCGCATCCAGACATG
410	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCGGATTAGCGGGC
411	CCATTGACAGGAGAGCCATGAGCC	GGCTCATGGCTCTCCTGTCAATGG
412	GAATCACCGAATCACCGACTCGTT	AACGAGTCGGTGATTCCGGTGATT
413	AACCAGCCGCGAGTAGCTTACGTCTG	CGACGTAAGCTACTGCGGCTGGTT
414	TTTTCTGAGGGACACGCGGGCGTT	AACGCCCCGCGTGTCCTCAGAAAA
415	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
417	TAAGACATACCGACGCCCTTGCCT	AGGCAAGGGCGTCGGTATGTCTTA
418	GTTCCCGACGCCAGTCATTGAGAC	GTCTCAATGACTGGCGTCGGGAAC
419	TAAAAGTTTCGCGGAGGTCTGGGCT	AGCCCGACCTCCGCGAAACTTTTA
420	CGGTCCAGACGAGCTGAGTTCGGC	GCCGAACCTCAGCTCGTCTGGACCG
421	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
422	GCTTGGATGCCCATGCGGCAAGGT	ACCTTGCCGCATGGGCATCCAAGC
423	AGCGGGATCCCAGAGTTTCGAAAA	TTTTCGAAACTCTGGGATCCCGCT
424	GAGCTTGAGAGCGAGGTCATCCTC	GAGGATGACCTCGCTCTCAAGCTC
425	GCATCGGCCGTTTTGACCATATTC	GAATATGGTCAAAACGGCCGATGC
426	CATAGCGCTGCACGTTTCGACCGC	GCGGTCGAAACGTGCAGCGCTATG
427	ACCCGACAACCACCAATTCAAAAA	TTTTTGAATTGGTGGTTGTCTGGGT
428	GCGAACACTCATAAGAGCGCCCTG	CAGGGCGCTCTTATGAGTGTTCTGC
429	CCGCCGAGTGTAGAGAGACTCCGA	TCGGAGTCTCTCTACACTCGGCGG
430	GACATCGGGAGCCGGAACATGAG	CTCATGTTTCCGGCTCCCGATGTC
431	TCGTGTAGACTCGGCGACAGGCGT	ACGCCTGTGCGCGAGTCTACACGA
432	ATGCGCATATACTGACTGCGCAGG	CCTGCGCAGTCAGTATATGCGCAT
433	ACAAGCGAACCCGAGTTTTGATGA	TCATCAAAACTCGGGTTCGCTTGT
434	GCATGAGACTCCGCGAAGACATGT	ACATGTCTTCGCGGAGTCTCATGC
435	TCCTACATGTGCGGTCACGATCAC	GTGATCGTGACGCGACATGTAGGA
436	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCAGTCCTGGCGAC
438	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
439	TCCATAACCACTCCGAAGTGCCGG	CCGGCACTTCGGACTGGTTATGGA
440	ACGCGCCCTGCATCTCGTATTTAA	TTAAATACGAGATGCAGGGCGCGT
441	AGACCGCATCAATTGGCGCGTACC	GGTACGCGCCAATTGATGCGGTCT
442	AGAGGCTTGCCAAGTAGGGACCCT	AGGGTCCCTACTTGCCAAGCCTCT
443	GCAATGGACGCCAGACGATACCGG	CCGGTATCGTCTGGCGTCCATTGC
444	GCTGGACTTAGTCGTGTTCTGGCGG	CCGCCGAACACGACTAAGTCCAGC
445	AGGCATCGTGCCGGATTGCTCCCT	AGGGAGCAATCCGGCAGCATGCCT
446	TGCGCATGTCGACGTTGAACAAAG	CTTTGTTCAACGTCGACATGCGCA
447	TTCGGGTCACATCCGATGCCATAC	GTATGGCATCGGATGTGACCCGAA

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448	ACCCATCGCCGGAAAGCGATGTTG	CAACATCGCTTTCCGGCGATGGGT
449	AAGCGCTGACTCGGCTAAGAATCA	TGATTCTTAGCCGAGTCAGCGCTT
450	ACTTCCAAGTCCTTGACCGTCCGA	TCGGACGGTCAAGGACTTGGAAGT
451	TCTCAATATTCCCGTAGTCGCCCA	TGGGCGACTACGGGAATATTGAGA
452	AACAGTTCCTCTTTTTCTGCGCG	GCGCCAGGAAAAAGAGGAAGTGT
453	CGTCCTCCATGTTGTACGAACAG	CTGTTCTGTGACAACATGGAGGACG
454	TGCGCAGACCTACCTGTCTTTGCT	AGCAAAGACAGGTAGGTCTGCGCA
455	ATGGACGGCTTCGCAGTCCTCCTT	AAGGAGGACTGCGAAGCCGTCCAT
456	TGAACGCTTTCTATGGGCCACGTA	TACGTGGCCCATAGAAAGCGTTCA
457	TGAACCCTGCCGCGAGCGATAACC	GGTTATCGCTCGCGGCAGGGTTCA
458	GTTCTTGCGCGATGAATCAGGACC	GGTCCTGATTCATCGCGCAAGAAC
459	AGGGTACGTGTGCGAGCTTCGCGT	ACGCGAAGCTGCGACACGTACCCT
460	ACCCTTGCTCCGCCATGTCTCTCA	TGAGAGACATGGCGGAGCAAGGGT
461	GGGACAAGGATTGAAGCTGGCGTC	GACGCCAGCTTCAATCCTTGTCCC
462	TGTCGTTGCTCCCGAGTACCATTG	CAATGGTACTCGGGAGCAACGACA
463	GTTGTCCGAGACGTTTGTGTCAGC	GCTGACACAAACGTCTCGGACAAC
464	GCTGGTGAACACTCACGAACCGCT	AGCGGTTCTGTGAGTGTTTACCAGC
465	GCAGACAGGGCAAATCGGTGCAAA	TTTGCACCGATTTGCCCTGTCTGC
466	CCCATCACAACGAGTGGCGACTTT	AAAGTCGCCACTCGTTGTGATGGG
467	GCTTCTACAGCTGGCGTGCTAGCG	CGCTAGCACGCCAGCTGTAGAAGC
468	GAATGTGTGCCGACCATTCTAGCC	GGCTAGAATGGTCGGCACACATTC
469	CCAGCGGAAGTTAGAGCTCTGTGG	CCACAGAGCTCTAATTCCGCTGG
470	TTTTTACCGACCACTCCATGTCCG	CCGACATGGAGTGGTCGGTAAAAA
471	GCGGCTATGTGATGACGGCCTAGC	GCTAGGCCGTCTACATAGCCGC
472	AGTACACGGGCGTGTTAGCGCTCC	GGAGCGCTAACACGCCCGTGTACT
473	TCCTGTGTGGTGGCGCACTCCAC	GTGGGAGTGCGCCACCACACAGGA
474	CCAACTAACCAATCGCGCGGATGA	TCATCCGCGCGATTGGTTAGTTGG
475	AGTGAGTGACCAAGGCAGGAGCAA	TTGCTCCTGCCTTGGTCACTCACT
476	CATCTTTCGCGGAGTTTATTGCGG	CCGCAATAAACTCCGCGAAAGATG
477	CTTCGTCCGGTTAGTGCAGACAGCA	TGCTGTGCGACTAACC GGACGAAG
478	CTCACGAAAACGTGGGCCCGAAAT	ATTTCTGGGCCACGTTTTCTGTGAG
479	CGCAGCAGCTGAACTCTAGCATTG	CAATGCTAGAGTTCAGCTGCTGCG
480	AGGAGACATACGCCCAAATGGTGC	GCACCATTTGGGCGTATGTCTCCT
481	ATTGAGAACTCGTGCGGGAGTTTG	CAAACCTCCCGCACGAGTTCTCAAT
482	CTCTTTGTAGGCCCAGGAGGAGCA	TGCTCCTCCTGGGCCTACAAAGAG
483	GCCGCAGGGTCGATAATTGGTCTA	TAGACCAATTATCGACCCTGCGGC
484	AAACGCCGCCCTGAGACTATTGGG	CCCAATAGTCTCAGGGCGGCGTTT
485	CTGAGTTGCCTGGAACGTTGGACT	AGTCCAACGTTCCAGGCAACTCAG
486	CGGATGGGTTGCAGAGTATGGGAT	ATCCCATACTCTGCAACCCATCCG
487	CTGACCTTTGGGGGTTAGTGCGGT	ACCGCACTAACCCCCAAAGGTCAG
488	GGAAATGAGAACCTTACCCCAGCG	CGCTGGGGTAAGGTTCTCATTTCC



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489	AACGCATCGTCCGTCAACTCATCA	TGATGAGTTGACGGACGATGCGTT
490	TGGAGAGAGACTTCGGCCATTGTT	AACAATGGCCGAAGTCTCTCTCCA
491	TTGCGCTCATTGGATCTTGTCAGG	CCTGACAAGATCCAATGAGCGCAA
492	AGCGCGTTAAAGCACGGCAACATT	AATGTTGCCGTGCTTTAACGCGCT
493	AGCCAGTAAACTGTGGGCGGCTGT	ACAGCCGCCACAGTTTACTGGCT
494	CGACTGATGTGCAACCAGCAGCTG	CAGCTGCTGGTTGCACATCAGTCG
495	GGTTGCTCATACGACGAGCGAGTG	CACTCGCTCGTCGTATGAGCAACC
496	GCGCAAATCCACGGAACCCGTACC	GGTACGGTTCCGTGGATTTGCGC
497	ACGCAGTTTATTCCCCTGGCTTCT	AGAAGCCAGGGGAATAAACTGCGT
498	AGAACCTCCGCGCCTCCGTAGTAG	CTACTACGGAGGCGCGGAGGTTCT
499	AAAGGAGCTTTCGCCCAACGTACC	GGTACGTTGGGCGAAAGCTCCTTT
500	AGTGATTGTGCCACTCCACAGCTC	GAGCTGTGGAGTGGCACAATCACT
501	GCGATCGTCGAGGGTTGAGCTGAA	TTCAGCTCAACCCTCGACGATCGC
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503	GAGACGCTGTCACTCCGGCAGAAC	GTTCTGCCGGAGTGACAGCGTCTC
504	CCACCGGTCGCTTAAGATGCACTT	AAGTGCATCTTAAGCGACCGGTGG
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506	AAGCGGAACGGGTTATACCGAGGT	ACCTCGGTATAACCCGTTCCGCTT
507	TGCACACTAGGTCCGTCGCTTGAT	ATCAAGCGACGGACCTAGTGTGCA
508	AGGGAACCGCGTTCAAACCTCAGTT	AACTGAGTTTGAACGCGGTTCCCT
509	GAATTACAACCACCCGCTCGTGTT	AACACGAGCGGGTGTTGTAATTC
510	TTCAGTGCTCACGAAGCATGGATT	AATCCATGCTTCGTGAGCACTGAA
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512	AATGCGACCTCGACGAGCCTCATA	TATGAGGCTCGTCGAGGTCGCATT
513	CCGAAACCGTTAACGTGGCGCACA	TGTGCGCCACGTTAACGGTTTCGG
514	TAAAGTAACAAGGCGACCTCCCGC	GCGGGAGGTCGCCTTGTTACTTTA
515	TAATGATTTTAGTCGCGGGGTGGG	CCCACCCCGCGACTAAAATCATT
516	GGCTACTCTAAGTGCCCGCTCAGG	CCTGAGCGGGCACTTAGAGTAGCC
517	TGGCGGACGACTCAATATCTCACG	CGTGAGATATTGAGTCGTCCGCCA
518	GGGCGTTAGGCGTAATAGACCGTC	GACGGTCTATTACGCCTAACGCC
519	GCCACCTTTAGACGGCGGCTCTAG	CTAGAGCCCGCGTCTAAAGGTGGC
520	GAGATGTGTAAACGTGCAGGCACC	GGTGCCTGCACGTTTACACATCTC
521	TAGCTCGTGCCCTCCAAGCGTGT	ACACGCTTGAGGGGCCACGAGCTA
522	GTGTCGGCGCTATTTGGCCTTACC	GGTAAGGCCAAATAGCGCCGACAC
523	CCAGGGAAGCAACTGGTTGCCATT	AATGGCAACCAGTTGCTTCCCTGG
524	TTCCGAAACTAAGCCAGAACCGCT	AGCGGTTCTGGCTTAGTTTCGGAA
525	GCAAACCCGGTAACCCGAGAGTTC	GAACTCTCGGGTTACCGGGTTTGC
526	GCAAATGGCGTCATGCACGAACGT	ACGTTCTGTGCATGACGCCATTTGC
527	AGTACTTTCGCGCCCAGTTTAGGG	CCCTAAACTGGGCGCGAAAGTACT
528	AAGATCTGCGAGGCATCCCGGCTT	AAGCCGGGATGCCTCGCAGATCTT
529	GCAAGTGTATCGCACAGTGCGATT	AATCGCACTGTGCGATACACTTGC



530	CCGACAAGGCCTCAATTCATTCTG	CAGAATGAATTGAGGCCTTGTCGG
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532	ATCCAGAGATCCGTTTTGCAGCGT	ACGCTGCAAAACGGATCTCTGGAT
533	GTCACCAGGAGGGAAGTTTCACCC	GGGTGAAACTTCCCTCCTGGTGAC
534	TTCCGTCAGGCGGATCAACGGAAT	ATTCCGTTGATCCGCCTGACGGAA
535	ATGCCGGACACGCATTACACAGGC	GCCTGTGTAATGCGTGTCCGGCAT
536	TGGGCCGCTTGGCGCTTTCATAGA	TCTATGAAAGCGCCAAGCGGCCCA
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543	ATACCTCCGCAGAACCATTCCGTT	AACGGAATGGTTCTGCGGAGGTAT
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545	TGCTCAATTTGTGCAGAAAACGCC	GGCGTTTTCTGCACAAATTGAGCA
546	TTATCGCGAGAGACGACCGTGTCC	GGACACGGTCGTCTCTCGCGATAA
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554	CATATCAGCGTCGTCTAGCTCGCG	CGCGAGCTAGACGACGCTGATATG
555	TGATCCCGGACCGGCTAGACTAAT	ATTAGTCTAGCCGGTCCGGGATCA
556	GGCCCCGACACTACAGGGTAATCA	TGATTACCCTGTAGTGTGCGGGGCC
557	GGCTCCAGGGCGAGATTATGAATG	CATTATAATCTCGCCCTGGAGCC
558	CAAAATCCGATGGGCGGAAAATTA	TAATTTTCCGCCCATCGGATTTTG
559	CACAGGCGCATAGGGAGCAAGCTA	TAGCTTGCTCCCTATGCGCCTGTG
560	TAGCTATTGCCCCGATGGGCTACT	AGTAGCCCATCGGGGCAATAGCTA
561	TGGTACGCGGTCCATAGCAAGTCG	CGACTTGCTATGGACCGCGTACCA
562	GACGCTGTGGCTCGGAAACTGTTC	GAACAGTTTCCGAGCCACAGCGTC
563	CCTGGGTTTCGCCGCGTGCTAACTG	CAGTTACCACGCGGCGAACCAGG
564	TTCCCGCGTAGCCCAACAGCTATA	TATAGCTGTTGGGCTACGCGGGAA
565	TTCGCGGATTGCTGCCGCATAACA	TGTTATGCGGCAGCAATCCGCGAA
566	AAAAATGGCACC GAAGTTGAGGCA	TGCCTCAACTTCGGTGCCATTTTT
567	CATTCCGCGCGAGTTGAAATCCAG	CTGGATTTCAACTCGCGCGGAATG
568	ACGCACGTTTTTTGGCACGGTTAA	TTAACCGTGCCAAAAACGTGCGT
569	TGTCCATGACGTCGTTTCTCTGGT	ACCAGAGAAACGACGTCATGGACA
570	TCTCAGTCGGACTCGTATGCCAGA	TCTGGCATACGAGTCCGACTGAGA

571	CTCCAAACGCACACATCAAGCATC	GATGCTTGATGTGTGCGTTTGGAG
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573	GGTGTCGGAGGGTGGTGACCTCGA	TCGAGGTCACCACCCTCCGACACC
574	AGCGCTTTTGGTCATGATTTGCAA	TTGCAAATCATGACCAAAAGCGCT
575	CCGAGGACTTACGTCTGCCCAGGA	TCCTGGGCAGACGTAAGTCCTCGG
576	GCCCAATCCAGTTCTTATGCGCCC	GGGCGCATAAGAACTGGATTGGGC
577	CGGGTTAACCCACGCAAGTTATGA	TCATAACTTGCGTGCGGTAAACCCG
578	TGATTAGCGCTCAATACACGCGTG	CACGCGTGTATTGAGCGCTAATCA
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582	CGCGGTGTTTTGTCTAGGTGCCGG	CCGGCACCTAGACAAAACACCGCG
583	CAACATTGTGGTGGCACTCCATCC	GGATGGAGTGCCACCACAATGTTG
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585	GGCTATAAACGTGCGGACTGCTCC	GGAGCAGTCCGCACGTTTATAGCC
586	TGGGTAAATCACTATTGCGCGGTT	AACCGCGCAATAGTGATTTACCCA
587	GTCTTCATCGGCCCGCGCAAGCTA	TAGCTTGCGCGGGCCGATGAAGAC
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596	CGGTCTCAGCAACACTGTCGCAAA	TTTGCGACAGTGTTGCTGAGACCG
597	CGAACGTTCTCCGATGTAATGGCC	GGCCATTACATCGGAGAACGTTCCG
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603	CCGCGAGTGTGGATGGCGTGTTGA	TCAACACGCCATCCCACTCGCGG
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605	TAAGACGAGCCTGCACAGCTTGCG	CGCAAGCTGTGCAGGCTCGTCTTA
606	GGCGTGGGAGGATAAGACGATGTC	GACATCGTCTTATCCTCCACGCC
607	TGCTCCATGTTAGGAACGCACCAC	GTGGTGCGTTTCTAACATGGAGCA
608	CGGTGTTGGTCGGACTGACGACTG	CAGTCGTGAGTCCGACCAACACCG
609	CCGCGCGTATCTATCAGATCTGGG	CCCAGATCTGATAGATACGCGCGG
610	AAAGCATGCTCCACCTGGAGCGAG	CTCGCTCCAGGTGGAGCATGCTTT
611	ACTTGTCATCGCTGGGTAGATCCGG	CCGGATCTACCCAGCGATGCAAGT

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612	TGCTTACGCAGTGGATTGGTCAGA	TCTGACCAATCCACTGCGTAAGCA
613	ATGCAGATGAACAAATCGCCGAAT	ATTCGGCGATTTGTTTCATCTGCAT
614	GCAATTCTGGGCCATGTATTCGTC	GACGAATACATGGCCCAGAATTGC
615	AGGGTTCCTTACGCGTCGACATGG	CCATGTCGACGCGTAAGGAACCCT
616	GTGGAGCTAATCGCGAGCCTCAGA	TCTGAGGCTCGCGATTAGCTCCAC
617	TCGTAGTCTCACCGGCAATGATCC	GGATCATTGCCGGTGAGACTACGA
618	TTATAGCAGTGCGCCAATGCTTCG	CGAAGCATTGGCGCACTGCTATAA
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620	TCCGCGTGGACTGTTAGACGCTAT	ATAGCGTCTAACAGTCCACGCGGA
621	CATTAGCCCCTGTGCGGTAAGTGT	ACAGTTACCGACAGCGGGCTAATG
622	GGAAAGAACTCAGACGCGCAATG	CATTGCGCGTCTGAGTTTCTTTCC
623	CGACTCGCTGGACAGGAGAATCGT	ACGATTCTCCTGTCCAGCGAGTCG
624	CATGATCCTCTGTTTCACCCGCGG	CCGCGGGTGAAACAGAGGATCATG
625	GGCGTAGCGCTCTAAAAGCTTCGG	CCGAAGCTTTTAGAGCGCTACGCC
626	AGTGATGCCATCAGGCCCGTATAC	GTATACGGGCCTGATGGCATCACT
627	TATGGAAAGGGCAACAGCGCTATC	GATAGCGCTGTTGCCCTTTCCATA
628	CTGTGGTTGATGGAGGATCCACAC	GTGTGGATCCTCCATCAACCACAG
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630	CAGGCCCGAACCACGCGGTTACAG	CTGTAACCGCGTGGTTCGGGCCTG
631	GGCGCAATGGGCGCATAAACTA	TAGTATTTATGCGCCCATTCGCC
632	GGTCAATTCGCGCTACATGCCCTA	TAGGGCATGTAGCGCGAATTGACC
633	GATGGTGGACTGGAGCCCTTCCGC	GCGGAAGGGCTCCAGTCCACCATC
634	CCGCGCATAGCGCAATAGGGGAGA	TCTCCCCTATTGCGCTATGCGCGG
635	TCTTCTGGCTGTCCGGCACCCGAA	TTCGGGTGCCGGACAGCCAGAAGA
636	GCGTTCGCAATTCACGGGCCCTTA	TAAGGGCCCGTGAATTGCGAACGC
637	TCGTTTCGGCCTTGAGAGTATCG	CGATACTCTCCAAGGCCGAAACGA
638	AGGTGCAAGTGCAAGGCGAGAGGC	GCCTCTCGCCTTGCACTTGACCT
639	CGCCAGTTTCGATGGCTGACGTTT	AAACGTCAGCCATCGAACTGGCG
640	GCTTTACCGCCGATCCCAGATATC	GATATCTGGGATCGGCGGTAAAGC
641	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGACTG
643	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646	GCCGTAGGTTGCTCTTCACCGAAC	GTTCCGGTGAAGAGCAACCTACGGC
647	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651	TGTACTCGGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652	AACGGGTATCGGAAGCGTAAAAGC	GCTTTTACGCTTCCGATACCCGTT

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653	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCAGTCCG
654	ATCGTTCAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA
657	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662	TTGCTCTTATCCTTGTCCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663	TTAAGGATCAGGCGGAGCTTGACAG	CTGCAAGCTCCGCCTGATCCTTAA
664	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665	GCTCGATTTACGGCCCGTTGTTC	GAACAACGGGCCGTGAAATCGAGC
666	AGCAGAGTGCGTTGCAGAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667	TGGAGGTGAGGACGACGTGCACTA	TAGTGCACGTCGTCCTCACCTCCA
668	AACCGTTTAGGGTACATTCGCGGT	ACCGCGAATGTACCCTAAACGGTT
669	TATGATCGCTCGGCTCACAGTTTG	CAAAGTGTGAGCCGAGCGATCATA
670	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGCAGGTGGAATAACCGACA
672	CTATGGTTTGCCTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673	AGCAGGGAATTCATCGTTTCGCA	TGCGAACGATTGAATTTCCCTGCT
674	CCTAACCGAGCGCTTAGCATTTCC	GGAAATGCTAAGCGCTCGGTTAGG
675	CCCGACCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCACCATTAAGCAA
677	GATGCTCGCCGTGTTTAGTTCACG	CGTGAAGTAAACACGGCGAGCATC
678	TCGGATGACGAGTTTCCATGACGG	CCGTCATGGAACTCGTCATCCGA
679	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680	TTGCGAGGCTAAGCACACGGTAA	TTTACCGTGTGCTTAGCCTCGCAA
681	AACTTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGCGGTAATTAAGTT
682	GTGACCGCGAACTTGTTCCGACAG	CTGTGCGGAACAAGTTCGCGGTCAC
683	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684	TGATAGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685	TCGCTCCGTAGCGATTCATCGTAG	CTACGATGAATCGCTACGGAGCGA
686	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
688	TCACTCAGCGCTGTGACTGCCTGA	TCAGGCAGTCACAGCGCTGAGTGA
689	GTTTGCGCTATAGTGGGGGACCGT	ACGGTCCCCCACTATAGCGCAAAC
690	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCAGAATGCGAC
691	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692	AAGGGACCTTGGGTGACGGCGAGA	TCTCGCCGTCACCAAGGTCCTT
693	TCAAATGGCCACCGCGTGTCTTTC	GAATGACACGCGGTGGCCATTGTA

694	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG
695	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAAACTCTGTGGC
699	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAAGCGTGGG
700	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTGAGTGGCT
702	CAGGATGAGCAAAGCGACTCTCCA	TGGAGAGTCGCTTTGCTCATCCTG
703	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACCTTG
704	GGTGTTGCGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705	TTTAGTCGGACCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706	CACACGTTTCCGACCAGCCTGAAC	G TTCAGGCTGGTCGGAAACGTGTG
707	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTCGTCCAG
708	TTCACAATCCGCCGAAAACCTGACC	GGTCAGTTTTTCGGCGGATTGTGAA
709	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT
710	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTCACGTCCAA
716	CTGAATCGCGCAAGTAAATGGGGG	CCCCATTTACTTGCGCGATTTCAG
717	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718	CTAACAATTGCCAACCAGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719	GGTAACCTGGGTGCTTGACAGGTTA	TAACCTGCAAGCACCCAGGTTACC
720	ATCGGAGCCACCATTCGCATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723	AACGGTATCGTGGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724	AGTAGTGGTCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726	GCATAAGTGCGGCATCGCGAAGGG	CCCTTCGCGATGCCGCACTTATGC
727	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTGCG
728	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTCGGGAATCACTGCCA
729	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730	GCAACTTGCACGGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731	TCCGAGCTTGACGTTGCGGACGTC	GACGTCGCGAACGTCAAGCTCGGA
732	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT
733	TTCATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734	CGAACCGCTAATGCCCATGTGTCAG	CTGACAATGGGCATTAGCGGTTTCG

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735	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTTGTCCCACCTTCCGTG
736	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGAAACGTAACGT
739	TATCGGATTGCGTGGGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744	CGGTGTTCCGCGTGTGCAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745	TCTAGCAGGCCCTTTGAATCGCCA	TGGCGATTCAAAAGGCCTGCTAGA
746	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747	TCTTCTGTCATCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCTTTCAGGTTTCATCCGC
749	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAGTTTGGGGCCCC
750	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC
751	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCGCCT
752	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTCTATGTTTCATCGT
754	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755	GTGCCGTATTTGACCTGTGCGTT	AACGCACAGGTGCAATACGGCAC
756	GCAGTGCGCACTTCAGTTCAAAAG	CTTTTGAAGTGAAGTGCGCACTGC
757	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTCACCTA
759	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760	CCCCTTACGGCTCGTCTGCTATGC	GCATAGACGACGAGCCGTAAGGGG
761	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCAGGCCGCTTACAGAAA
763	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764	TCTTGCCCTCCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769	ATAGGTAGGATGTGCCC GGCGTTG	CAACGCCGGGCACATCCTACCTAT
770	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC
771	CTGGCTGTGTGCGCATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772	CTAACGTCTGTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773	TTTTCATAAACGTTGTCCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTGCTCCTCCTGCT
775	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA

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776	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777	TACATTCCCTGCCTCCGTGGGCTT	AAGCCCACGGAGGCAGGGAATGTA
778	CGCTTCGCGTATTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTGACGCGTCCGA
780	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783	GTTTCATAGGCCACGCGTGCTAAA	TTAGCACGCGTGGCCTATGAAAC
784	GGAGCGAAGACTTCGTCTGCCCAA	TTGGGCAGACGAAGTCTTCGCTCC
785	ATTGGCCGAGGGTGAATGCAGCCT	AGGCTGCATTACCCCTCGGCCAAT
786	TGATCCATCCGAATGCTTTTCCAT	ATGGAAAAGCATTGGATGGATCA
787	GCACACAGTTGTCTTGCCCATGA	TCATGGGCCAAGACAACGTGTGC
788	CTGGCGGGCAGTGGAACAAAC	GTTGTTTTTCCACTGCCCGCCAG
789	ATCTCCATGCGTAAGACTGCTCCG	CGGAGCAGTCTTACGCATGGAGAT
790	TCTCCTCTCGTCGCAGTTCGTGGA	TCCACGAACTGCGACGAGAGGAGA
791	TAGCGTATTCACCTTGCCGAGCA	TGCTCGGCAAGAGTGAATACGCTA
792	CAATCAAAAGCCACGGCGCGATGG	CCATCGCGCCGTGGCTTTTGATTG
793	AGCGTCACGGAATTCAGCAGATCT	AGATCTGCTGAATTCGCTGACGCT
794	GACTCCCTGTTAATGCGCCCAAGG	CCTTGGGCGCATTAAACAGGGAGTC
795	TAGGCACTGCCGTTTCAATTCAA	TTGAATCTGAACCGGCAGTGCCTA
796	AACAGGGTGATAACGGTGGCCAAT	ATTGGCCACCGTTATCACCTGTT
797	CGTGCGTACCATGTGTAAGTGCGT	ACGCACTTACACATGGTACGCACG
798	GACCAATTCTACTTCGGCAGCCCA	TGGGCTGCCGAAGTAGAATTGGTC
799	ATCGGACCGATTTGCTTTTGCTG	CAGCCAAAAGCAAATCGGTCCGAT
800	TCCGCCGAAGCACACGCTTATTCG	CGAATAAGCGTGTGCTTCGGCGGA
801	AACGGTACGCATTGTGAGCAGTGT	ACACTGCTCACAATGCGTACCGTT
802	TGGCGACTACTGTTCCCTGAATC	GATTCAGGGGAACAGTAGTCGCCA
803	CAGAGGGGACAGCCGTATGCCTTA	TAAGGCATACGGCTGTCCCTCTG
804	CGGTGGTTTTATCGGAATCTGCGA	TCGCAGATTCCGATAAAACCACCG
805	TTGGCCTCCGACCTCACGACATAT	ATATGTCGTGAGGTCGGAGGCCAA
806	CGTTTCGCTAGCATCTGGCGCCGA	TCGGCGCCAGATGCTAGCGAAACG
807	ACTAAGCGGTGGAGCCGGTGGATG	CATCCACCGGCTCCACCGCTTAGT
808	ATATTGGCTGCGTTTACGGGCCGC	GCGGCCCGTAAACGCAGCCAATAT
809	CCGCTATGGTGGCAATCCCGATAC	GTATCGGGATTGCCACCATAGCGG
810	GTTGCATGTGGCTCAGGCGGCATA	TATGCCGCCTGAGCCACATGCAAC
811	ATTCTGGGGAGTGACCCAGGGCTT	AAGCCCTGGGTCACTCCCCAGAAT
812	CTCTCCAAGGAGACGAGCCAATGT	ACATTGGCTCGTCTCCTTGAGAG
813	GAAAGGACGGGATTTGGGGGCTAA	TTAGCCCCCAAATCCCGTCCTTTC
814	TATGTAGTACCTTGGCTCGCGCCA	TGGCGCGAGCCAAGGTACTACATA
815	TCCCTTTCGATGAGCGGCTGTACT	AGTACAGCCGCTCATCGAAAGGGA
816	TAGATCGGGCAGAGCCCGTATCTT	AAGATACGGGCTCTGCCCGATCTA

817	GGAATGCTTTAGGCTGCCGAGCTG	CAGCTCGGCAGCCTAAAGCATTCC
818	ATGGTAGCAACATTCAACGCCAGG	CCTGGCGTTGAATGTTGCTACCAT
819	CTATGAAACGTGTGGCCCAGCAAC	GTTGCTGGGCCACACGTTTCATAG
820	ATGTTGCTAGTGCCTTTCGGGCCT	AGGCCCGAAAGGCACTAGCAACAT
821	CCAATGTGCGCAGACTCAGTCATT	AATGACTGAGTCTGCGCACATTGG
822	GATAGTGCTCGCAAACGGGCCTTC	GAAGGCCCGTTTGCAGCACTATC
823	GCACCCTGTTGCCTCATTGAGCGT	ACGCTCAATGAGGCAACAGGGTGC
824	GGCGTGAATAGAGTGACCAGGCGG	CCGCCTGGTCACTCTATTACGCC
825	ACGTGCCAGCTGCGGGCACTTTAT	ATAAAGTGCCCGCAGCTGGCACGT
826	AGTGGAATAGTCGCGTCGTGCCGC	GCGGCACGACGCGACTATTCCACT
827	ACTCGCCTATTACCGCTGGATTGG	CCAATCCAGCGGTAATAGGCGAGT
828	GAGACCGGATTGAGATGATCCCGT	ACGGGATCATCTCAATCCGGTCTC
829	CTGGCAGTTTACCACCGAACCAGT	ACTGGTTCGGTGGTAAACTGCCAG
830	TTACATTGCCGATTTTCGCATGTGA	TCACATGCGAAATCGGCAATGTAA
831	TAAAACTGAAGGGTCGCCTCAGCA	TGCTGAGGCGACCCTTCAGTTTTA
832	GGCTTCGCATGCCTTTGCAACATT	AATGTTGCAAAGGCATGCGAAGCC
833	AAGACCGAAGGTCTCTCTGAGGGC	GCCCTCAGAGAGACCTTCGGTCTT
834	GCCTATGGCTCCAGCTCAGCAGTA	TACTGCTGAGCTGGAGCCATAGGC
835	CGTATCATAGCGTTTCGGTGGACAA	TTGTCCACCGAACGCTATGATACG
836	CATGCGCTCGCACTCTGCCTGTCT	AGACAGGCAGAGTGCGAGCGCATG
837	TGGGCAATTCGGAACGTCGGTCT	AGACCGACGTTTCCGAATTGCCCA
838	TTGCGGAGATGCGACGGTACATTG	CAATGTACCGTCGCATCTCCGCAA
839	ACTTTCGCACGTCGATCTGGACTG	CAGTCCAGATCGACGTGCGAAAGT
840	CTAACTGCCGCGGCAAACCTGATTA	TAATCAGTTTGCCGCGGCAGTTAG
841	GGCCGCGGATTTTATTCCTTGAT	ATCCAAGGAATAAAATCCGCGGCC
842	GAATTTGGAACGGTGTTCCGATGA	TCATCGGAACACCGTTCCAAATTC
843	GTCCATCCATCTACGGCATCAGGA	TCCTGATGCCGTAGATGGATGGAC
844	TAAACGACCTGGCACATGTGCGTA	TACGCACATGTGCCAGGTCGTTTA
845	CACCATCCAAGAGCCAATCCTAGG	CCTAGGATTGGCTCTTGATGGTG
846	ACTCATATACGATCAGTCCGCCGC	GCGGCGGACTGATCGTATATGAGT
847	GTGCCAACCGACGATCAACCGAAC	GTTGCGTTGATCGTCGGTTGGCAC
848	TGGGGTTTCGTACAGGTCGGTTCAT	ATGAACCGACCTGTACGAACCCCA
849	AACAGTAGAGGCGAGGCCTGCGGG	CCCGCAGGCCTCGCCTCTACTGTT
850	TGCATCGAATCCGAGATGGATCTT	AAGATCCATCTCGGATTTCGATGCA
851	GCGTCACGTTATGTCCGCTCTGTC	GACAGAGCGGACATAACGTGACGC
852	GGGACATGCGTAGCGCAATATCAC	GTGATATTGCGCTACGCATGTCCC
853	CACACGTCACACCATCCAAAGTGG	CCACTTTGGATGGTGTGACGTGTG
854	ATGCTCAGGTGCTAAATACGGCCA	TGGCCGTATTTAGCACCTGAGCAT
855	AAAAATGTTTAGCGCGCTGACTGG	CCAGTCAGCGCGCTAAACATTTTT
856	ATAGTCCGTTTCCGTTCCCAACGA	TCGTTGGGAACGGAACGGACTAT
857	TCGATCTTCTGGGTTGCAGACCAG	CTGGTCTGCAACCCAGAAGATCGA



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858	GTCGGCGCAGCCGATCCTCATGTC	GACATGAGGATCGGCTGCGCCGAC
859	GTTGCGGGGTGTCGAAAAGGATCT	AGATCCTTTTCGACACCCCGCAAC
860	ATCTCTTCCTCGGGTGGATGCCAG	CTGGCATCCACCCGAGGAAGAGAT
861	TGATGTGCGTTTCAGCTTTTCGCG	CGCGAAAAGCTGAAACGCACATCA
862	GTTAAGGGGTGAGAACATCCGGCC	GGCCGGATGTTCTACCCCTTAAC
863	AAGTCGTCTCCCTGCGTCTCGTCC	GGACGAGACGCAGGGAGACGACTT
864	CCGACCTAATAAGGCGCAACAATG	CATTGTTGCGCCTTATTAGGTCGG
865	CATCATTGGCACCGTACCAATGCC	GGCATTGGTACGGTGCCAATGATG
866	TGGAGAAAGGGAAGTGCAGCAACG	CGTTGCTGCACTTCCCTTTCTCCA
867	TGGTACTCCTTGTCATGCCTGCCA	TGGCAGGCATGACAAGGAGTACCA
868	GGCACAGGTTCTCTTGACGCGCGG	CCGCGCTGCAAGAGAACCTGTGCC
869	GAATCTGGGCATTGCTACGAGACC	GGTCTCGTAGCAATGCCAGATTTC
870	CGAAATGGGAGCGTCCACTACCAC	GTGGTAGTGGACGCTCCCATTTCG
871	ACATATGAGCTCGCGTGCTTGCAT	ATGCAAGCACGCGAGCTCATATGT
872	TCGAGCACGGTCACTGATAAAGCC	GGCTTTATCAGTGACCGTGCTCGA
873	GAGGGTCCCTGCTCAGAGTTGGTT	AACCAACTCTGAGCAGGGACCCTC
874	AAATGCGATCGCCCTTATGGAAT	ATTCCATAAGGGGCGATCGCATTT
875	CTACCCGAATGGATTGCGGATGGC	GCCATCCGCAATCCATTGCGGTAG
876	AGGGACTGGCAGGTCTCTGCGCGT	ACGCGCAGAGACCTGCCAGTCCCT
877	TAACGATCCATTCCACGAATGCAG	CTGCATTCTGGAATGGATCGTTA
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880	TATCTGGGAGTAGCAGGCAGGGCC	GGCCCTGCCTGCTACTCCCAGATA
881	CCGAAGGTTTCACGCTCAGGTCGC	GCGACCTGAGCGTGAAACCTTCGG
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883	TGCATGCGAGCAAATAACCCGGAC	GTCCGGGTTATTTGCTCGCATGCA
884	AATTGTCCGCCAAACGCTTTTCAG	CTGAAAAGCGTTTGGCGGACAATT
885	GTCGGCTTCGAGCGATCGAGTGTG	CACACTCGATCGCTCGAAGCCGAC
886	TCGCGTGCTCTACGTAGCCCATGA	TCATGGGCTACGTAGAGCACGCGA
887	GGCTTCCGCGATAACGTAATTGCG	GCGAATTACGTTATCGCGGAAGCC
888	TGTAGCCGACTAGGGCCGAAGCCC	GGGCTTCGGCCCTAGTCGGCTACA
889	AAGCGAACGCCCTGGCTGAATATT	AATATTCAGCCAGGGCGTTTCGCTT
890	TGTCACGCGACGTGCTGCAGATTT	AAATCTGCAGCACGTGCGGTGACA
891	CCGTGTCCGTGTTGTGACAGGCG	CGCCTGTCGACAACACGGACACGG
892	CCCCACACGTTGCGCCTATATGTG	CACATATAGGCGCAACGTGTGGGG
893	GGCGGGCACAACCTCAACACAGATG	CATCTGTGTTGAGTTGTGCCCGCC
894	CGACTGCGGGATCACCGGTGATTA	TAATCACCGGTGATCCCGCAGTCG
895	TCGGGACATGACCGGTACGGAGTC	GACTCCGTACCGGTCATGTCCCGA
896	TACCTCGAGTGGCCGTTGATCGGG	CCCGATCAACGGCCACTCGAGGTA
897	TAATTCATGGGGCTAGCCGAACCA	TGGTTCGGCTAGCCCCATGAATTA
898	ACACTCTAAGCCGATTCCGTTCTGA	TCGAACGGAATCGGCTTAGAGTGT

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899	GTGGGCGTGAGTGACACGCACAAA	TTTGTGCGTGTCACTCACGCCAC
900	ACGACTCCTCGGGCAAAGTACGTA	TACGTACTTTGCCCAGGAGTCGT
901	TGTGGTCATGGCGCTACTGTTTTTC	GAAAACAGTAGCGCCATGACCACA
902	CTTTCGCTAGCCAGAGCGGGTTCC	GGAACCCGCTCTGGCTAGCGAAAG
903	ACAGGGCGTGTTAGCGTGTGACAA	TTGTCACACGCTAACACGCCCTGT
904	GGTACTTCCGGCGTATCGGGCCAC	GTGGCCCGATACGCCGGAAGTACC
905	GTGGGTTTTGTTACCCCTTCTGGG	CCCAGAAGGGTGAACAAAACCCAC
906	ACGCAATTCCGCATTACTTACCCG	CGGGTAAGTAATGCGGAATTGCGT
907	CGCCTCGACTGCGGTCAAGCACAA	TTGTGCTTGACCGCAGTCGAGGCG
908	GTGAAATGGATCCAGAGAGGGCCA	TGGCCCTCTCTGGATCCATTTCAC
909	TATAACGCTGCAGGGCTCCGTTA	TAACGGAGCCCTGCAGCGTTTATA
910	GTTATTCAGGCGGCTTGTAACGGG	CCCGTTACAAGCCGCCTGAATAAC
911	GGGTTCTAGCGTGCGCGTTCA GTT	AACTGAACGCGCACGCTAGAACCC
912	TTGGGCTCGAGCGGTACACCACTA	TAGTGGTGTACCGCTCGAGCCCAA
913	CCGTCTTCAGGACAACGGTATGCG	CGCATACCGTTGTCCTGAAGACGG
914	GGACCCTTTGACAGATTGCGGCAC	GTGCCGCAATCTGTCAAAGGGTCC
915	TAAATTTTATCGCCAGGCGGCGCT	AGCGCCGCCTGGCGATAAAATTTA
916	GCCGAACGCAAGATCGCTTGA ACT	AGTTCAAGCGATCTTGCGTTCGGC
917	TAGGCCATTGGTGCCCTAAGACGG	CCGTCTTAGGGCACCAATGGCCTA
918	CAAACCACAGCTTACAGGCTGCGT	ACGCAGCCTGTAAGCTGTGGTTTG
919	TAAACGGAGACTGGCACGGTAGCA	TGCTACCGTGCCAGTCTCCGTTTA
920	TAGCGCGCATCACACTTGGAATCG	CGATTCCAAGTGTGATGCGCGCTA
921	TGCTGACACAAACGAGCCGTTTCG	CGAAACGGCTCGTTTGTGTCAGCA
922	CGCTTAACGGCATTGACTGTCCAC	GTGGACAGTCAATGCCGTTAAGCG
923	TTCCACGGCCGTGTATTACGGATA	TATCCGTAATACACGGCCGTGGAA
924	TTTATGCCGTTGCCGAGGAAGACT	AGTCTTCCTCGGCAACGGCATAAA
925	AGTGCCGAGATAGGGGACTGGGCG	CGCCCAGTCCCCTATCTCGGCACT
926	CTAGTCTCCACGCCCTCGGGACGA	TCGTCCCGAGGGCGTGGAGACTAG
927	CCGCCATTTCGGAAGATGGATGATG	CATCATCCATCTTCCGAATGGCGG
928	TGACGGTGAAAGTCGATTGCGAAG	CTTCGCAATCGACTTTACCCGTCA
929	ATATGCGTCACCACCCGGTTCCGA	TCGGAACCGGGTGGTGACGCATAT
930	CCATCAGTGAAGGGGTTGCTGCCA	TGGCAGCAACCCCTTCACTGATGG
931	CATATGTGCTTGGCTTGCGATGAC	GTCATCGCAAGCCAAGCACATATG
932	TCTGCTTTGGAAGCCTGAACTGCT	AGCAGTTCAGGCTTCCAAAGCAGA
933	CGATTTGGTCAAGAAGGCGGAAAT	ATTTCCGCCTTCTTGACCAAATCG
934	ATCAGAGGCCTTCCCGCCTCGTTA	TAACGAGGCGGGAAGGCCTCTGAT
935	ATTGTTGTCGTTGCCACATCGCAG	CTGCGATGTGGCAACGACAACAAT
936	TGAAATGTGTCTGGACGCGAGTCT	AGACTCGCGTCCAGACACATTTCA
937	GCGGGCGATGCTCCTTAAAGGGTA	TACCCTTTAAGGAGCATCGCCCGC
938	CCGCAATCTCCATGCGTCGACCGT	ACGGTCGACGCATGGAGATTGCGG
939	TGCCGCGTAATCACCTGGA ACTTG	CAAGTTCAGGTGATTACGCGGCA

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940	TTCCAGTAGCCAGCGGTAGTGTGA	TCACACTACCGCTGGCTACTGGAA
941	CTGAATTCCGCCTATTGTTCCGCA	TGCCGAACAATAGGCGGAATTCAG
942	GCTTGAACCTCGAGGCGATGTTCT	AGAACATCGCCTCGAGGTTCAAGC
943	CAAGCGTGGAAGTACGACCCGCCA	TGGCGGGTCGTACTTCCACGCTTG
944	GTGTGCACTGGATCCGAGCCCTAG	CTAGGGCTCGGATCCAGTGCACAC
945	TCCCTGGGCTAGCATTGCGAGGTT	AACCTCGCAATGCTAGCCCAGGGA
946	AGAACCAAAGACGCTTGTTCGCG	CGGCAAACAAGCGTCTTTGTTCT
947	CGTCACATGCAAACGTTCCCTCCC	GGGAGGGAACGTTTGCATGTGACG
948	TGACCGCATGTGTATTGAGTCGCT	AGCGACTCAATACACATGCGGTCA
949	GCGGGCCCAATGAGTATCCGTCAT	ATGACGGATACTCATTGGGCCCGC
950	TAGTGA CTGTGAACGCCCTGGTT	AACCAGGGGCGTTTACAGTCACTA
951	GGCACCGTCTGCCGCGCGTATATC	GATATACGCGCGGCAGACGGTGCC
952	TCGATGCAGTCTTTTTCCCGTCAA	TTGACGGGAAAAAGACTGCATCGA
953	ACCCCGTGGGGTTTTCGCCATTTTT	AAAAATGGCGAAACCCACGGGGT
954	CTACACGCGCAGTTGTGACTTGTG	CACAAGTCACAACTGCGCGTGTAG
955	CGCAGCGACCTCATCTCTGGAGCC	GGCTCCAGAGATGAGGTCGCTGCG
956	CGACCCAGCACTCCTAAAATCGGT	ACCGATTTTAGGAGTGCTGGGTGCG
957	ACGCGCCGCTCATCACTACAATCT	AGATTGTAGTGATGAGCGGCGCGT
958	CGCAACTTCCTGTGGCAAAGCCAG	CTGGCTTTGCCACAGGAAGTTGCG
959	TCGTTGGGCACATAAGGCAACTGA	TCAGTTGCCTTATGTGCCCAACGA
960	CCGCTTGTAATTGCCATTCTCCGT	ACGGAGAATGGCAATTACAAGCGG
961	GTAACCAGGGAGTCCTGGGCTGTG	CACAGCCCAGGACTCCCTGGTTAC
962	AGCGCAAGATCTGGGGGCAGTCAC	GTGACTGCCCCCAGATCTTGCGCT
963	GCGTACATCTGCTCATCAGCATGG	CCATGCTGATGAGCAGATGTACGC
964	CCTCTGTGGCAGGAAAGAAACCGT	ACGGTTTCTTTCTGCCACAGAGG
965	CCTATGCAATGGACCTGCATCGGA	TCCGATGCAGGTCCATTGCATAGG
966	CTCGGTGGATGGCGAATAAGGATA	TATCCTTATTCGCCATCCACCGAG
967	CCTCACTCGTGATGGCGTGACGCA	TGCGTCACGCCATCACGAGTGAGG
968	TACGCTCACAGAACGCCATACGCC	GGCGTATGGCGTTCTGTGAGCGTA
969	CCGGAGAAGTTACGCGGATCGGAC	GTCCGATCCGCGTAACTTCTCCGG
970	GCGCCCTCACTGCATTTTTGGTAT	ATACCAAAAATGCAGTGAGGGCGC
971	ACTTTCAGCACGCGAACAGCGCAA	TTGCGCTGTTGCGGTGCTGAAAGT
972	CTAAACGCCCTTGATGCATGAGCA	TGCTCATGCATCAAGGGCGTTTAG
973	GCTTGCCTTTTACGATCGTCGCTA	TAGCGACGATCGTAAAAGGCAAGC
974	CAGACATCGTACGCACTCGGCATC	GATGCCGAGTGCGTACGATGTCTG
975	TAGCCGCGCGGCTCCTATGCTCTT	AAGAGCATAGGAGCCGCGCGGCTA
976	GATGCCCTTTTGGTCCCCATGCCA	TGGCATGGGGACCAAAAGGGCATC
977	TGAGCTGCCTTGCCACGATGCCTC	GAGGCATCGTGGCAAGGCAGCTCA
978	CCGCCGTATACGTGCCATAGTTTG	CAAACATATGGCACGTATACGGCGG
979	TAGTGCTCTCCGCGCTCATCCAAC	GTTGGATGAGCGCGGAGAGCACTA
980	CCCTAGATAAGTTGGGGTGGGACG	CGTCCCACCCCACTTATCTAGGG

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981	TGAAGGGCCACCTGATATGGTTTC	GAAACCATATCAGGTGGCCCTTCA
982	GCCGCCTCCGACTGGTTAACCCGA	TCGGGTAAACAGTCGGAGGCGGC
983	CGCACGGCTACTAACAGCGGATCA	TGATCCGCTGTTAGTAGCCGTGCG
984	CCGGACCAATTCCAACGAGCATCG	CGATGCTCGTTGGAATTGGTCCGG
985	CATTGAGGTCCACCGTTCACATCC	GGATGTGAACGGTGGACCTCAATG
986	AGGACGCAGCATGTCCCAGCCGAG	CTCGGCTGGGACATGCTGCGTCCT
987	TAATCGCGGGCCATACTACCAACG	CGTTGGTAGTATGGCCCGCGATTA
988	CGCAAATTTCTCCGGTCGGCAAGC	GCTTGCCGACCGGAGAAATTTGCG
989	GTGGCTCGACTAATGCCTTGCGTG	CACGCAAGGCATTAGTCGAGCCAC
990	TGTGGGCGTGTTCCGGCTCACTGT	ACAGTGAGCCGGAACACGCCACACA
991	GTTCTTCCTTTTCTGCGGTGGGAA	TTCCACCCGCAGAAAAGGAAGAAC
992	ACCTCGAGTCAGATTGTGCGCCTT	AAGGCGCACAACTCTGACTCGAGGT
993	CAAGTGGACAGACGGTTTGTTCGG	CGGAACAAACCGTCTGTCCACTTG
994	TCCAGTTGAGTCGCGCCGACGAGG	CCTCGTCGGCGCGACTCAACTGGA
995	CGCAACAGGTCAGCCCTTATTTGC	GCAAATAAGGGCTGACCTGTTGCG
996	GCCGTGACTCCTGCAATGTCGGTA	TACCGACATTGCAGGAGTCACGGC
997	ATCAGCGCAAGCTGGTCTGAAACA	TGTTTCAGACCAGCTTGCGCTGAT
998	CCCTGGCCAGAACGAGAGGCCATG	CATGGCCTCTCGTTCTGGCCAGGG
999	ACGATCAAGGACTCGTCAGGGTTG	CAACCCTGACGAGTCCTTGATCGT
1000	TTCATGGCACCAAGACCACCGTTA	TAACGGTGGTCTTGGTGCCATGAA
1001	ACAGCAAGGAGATGGATTGCGACG	CGTCGCAATCCATCTCCTTGCTGT
1002	CGTAAATATCTGCGGCGGTGTGAA	TTACACCCGCCGAGATATTTACG
1003	GGAAACACGTGTTCTGTCTGTTGGC	GCCAACAGACGAACACGTGTTTCC
1004	CGATGTTAGGATTCGGATAGGCCA	TGGCCTATCCGAATCCTAACATCG
1005	ATCGGACAAGGACAAGTGGATGGT	ACCATCCACTTGTCTTGTCGGAT
1006	GCCCGGAGGACAAAGTTCGAGTTA	TAACTCGAACTTTGTCTCCGGGC
1007	AAATCCGACAAATGGGCACATGGA	TCCATGTGCCCATTTGTGCGATT
1008	CAGTTAGGGGATGCGGATGAGTGA	TCACTCATCCGCATCCCCTAACTG
1009	CGGCAGGTGGAGATTCCGACATTG	CAATGTCGGAATCTCCACCTGCCG
1010	TAGGGCAGCCAGTTCACTCATCT	AGATGAGTGAACCTGGCTGCCCTA
1011	GCACCGTATTAGCAGTAGGCACGC	GCGTGCCTACTGCTAATACGGTGC
1012	ACGCATTACAGGTGTGCGAAGGGA	TCCCTTCGCACACCTGTAATGCGT
1013	CGTGA CTGCACGTGTTCCACAGGG	CCCTGTGGAACACGTGCAGTCACG
1014	GCTGAACTACCGCCTAAAATCGCG	CGCGATTTTAGGCGGTAGTTCAGC
1015	AGCACGCCAGGGAGGATCGAGTTA	TAACTCGATCCTCCCTGGCGTGCT
1016	ATGAGGGCAAGGAATGGGTCATGC	GCATGACCCATTCTTGCCCTCAT
1017	GGGTCTCTCGTAATCAAAGGCCGA	TCGGCCTTTGATTACGAGAGACCC
1018	TATCTTGCGCAACGCCTCCATTTA	TAAATGGAGGCGTTGCGCAAGATA
1019	GGTTACACCTACGGAATCCAGCGG	CCGCTGGATTCCGTAGGTGTAACC
1020	ACACCGAGTTGGTCCGGTCAATAG	CTATTGACCGGACCAACTCGGTGT
1021	TCCCAGATTAAACGCTAGCCACCG	CGGTGGCTAGCGTTTAATCTGGGA

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1022	TTGGTGAAACTGGCCCGTCGGAAG	CTTCCGACGGGCCAGTTTCACCAA
1023	CCAGGGGAGTTGACAATGAGGCTG	CAGCCTCATTGTCAACTCCCCTGG
1024	TCTGCGTTATTGGACCGTTTGTCTG	CGACAAACGGTCCAATAACGCAGA
1025	TATGGGATGCTAAACCGGCGTACA	TGTACGCCGGTTTAGCATCCCATA
1026	CACAGACGTCTGTCTGGGCTTGTGT	ACACAAGCCCGACAGACGTCTGTG
1027	AGAATGCCGTTTCGCCTACTCCCGT	ACGGGAGTAGGCGAACGGCATTCT
1028	CGACGGATAATGCAGGCCTCATGA	TCATGAGGCCTGCATTATCCGTCG
1029	ACCCTCTAAAGCAATAGGTGCGCG	CGCCGACCTATTGCTTTAGAGGGT
1030	CACTCACGGCAGAAGCCTGCTTGT	ACAAGCAGGCTTCTGCCGTGAGTG
1031	ATCAGCCCACATATTCTCGGCCGT	ACGGCCGAGAATATGTGGGCTGAT
1032	CAAATCTGGGGTCGTCCTAAACGC	GCGTTTAGGACGACCCCAAGATTG
1033	TGTCGCCCATGGCAGGTTAAATAC	GTATTTAACCTGCCATGGGCGACA
1034	GGGGGCCCATCAATTCATTATCGA	TCGATAATGAATTGATGGGCCCCC
1035	GTCGAGCAGCTTTAGTATCGCGGG	CCCGCGATACTAAAGCTGCTCGAC
1036	CCGCTAAGCACC GAAGGCTCACAA	TTGTGAGCCTTCGGTGCTTAGCGG
1037	TAGAATTAGCGAACGGTGATCCCG	CGGGATCACCGTTCGCTAATTCTA
1038	CACATGACATTTGGCAAAGGTCCA	TGGACCTTTGCCAAATGTCATGTG
1039	TCAACGCACTGGCGATGACTAGAT	ATCTAGTCATCGCCAGTGC GTTGA
1040	CGGGAAATGTCTTTAGCCGTCGAA	TTCGACGGCTAAAGACATTTCCCG
1041	ATCAGAGCAAATCTGCAGCGGGGA	TCCCCGCTGCAGATTTGCTCTGAT
1042	GGCCTGTTTCTGTCCAAGTGGGCT	AGCCCAAGTTGGACAGAAACAGGCC
1043	ATTTACCTCGCTGATCGCTTCCG	CGGAAGCGATCAGCGAGGTGAAAT
1044	AGTGACGCCGAGTCGCGAGGGTTA	TAACCCTCGCGACTCGGCGTCACT
1045	AGTTGTCTCATCCTGTCCGGGACC	GGTCCCGGACAGGATGAGACAACT
1046	CTTCTTTGTGCACACTTGCCAGGG	CCCTGGCAAGTGTGCACAAAGAAG
1047	CACCTCATCGGAGCATAGCAACCC	GGGTTGCTATGCTCCGATGAGGTG
1048	ATGCGATCCATGACAAGGGTTGCT	AGCAACCCTTGTCATGGATCGCAT
1049	CCCGTGAGATGATGTGCGGCTTA	TAAGCCGCACATCATCTCCACGGG
1050	CCCAATAGACGCCACAGCCAGTGA	TCACTGGCTGTGGCGTCTATTGGG
1051	AACGACCACGACCCTCGCCGAGTA	TACTCGGCGAGGGTCGTGGTCTGTT
1052	GGTGCTTTGTCTGAGGCGAGTGAA	TTCACTCGCCTCAGACAAAGCACC
1053	CTGTCGGCGCTGCTCTCCGAATTT	AAATTTCGGAGAGCAGCGCCGACAG
1054	CTCGCCGGAGTGTTGTAAGCATTG	CAATGCTTACAACACTCCGGCGAG
1055	AGCAATCATGAGAGGTGGCCGGTG	CACCGGCCACCTCTCATGATTGCT
1056	ATTTGCCACCGGCGACAAAAGAT	ATCTTTTTGTGCGCCGGTG GCAAAT
1057	CCGCCCCGTGTTGGCATGTCTTTTG	CAAAAGACATGCCAACACGGGCGG
1058	ATCGGAAGTGCTGACTGACACACG	CGTGTGTCAGTCAGCACTTCCGAT
1059	CCTCAGACCCTATCTGGGTTGACG	CGTCAACCCAGATAGGGTCTGAGG
1060	CTGTGTGGTCTGGTCCGGCTGTTC	GAACAGCCGGACCAGACCACACAG
1061	GTCCCCATTATCGGTGAGTGCAAC	GTTGCACTCACCGATAATGGGGAC
1062	ACAGGCACGTAAGTGCTCAATCGG	CCGATTGAGCACTTACGTGCCTGT

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1063	AGCAAGATAGCGGGAGTGCCCCTA	TAGGGGCACTCCCGCTATCTTGCT
1064	GGTTTACGCCATGACATCCCGTCA	TGACGGGATGTCATGGCGTAAACC
1065	GTGCAGGCCTTTGTGTGTGAATCG	CGATTACACACAAAGGCCTGCAC
1066	CTTCGAGGGTAGGGCTTCGAAACG	CGTTTCGAAGCCCTACCCTCGAAG
1067	AGTCGACACTTGGGTTTACCACGG	CCGTGGTAAACCCAAGTGTCGACT
1068	ACATAAATCTCGCCCGCTGCACTC	GAGTGCAGCGGGCGAGATTTATGT
1069	GTTTGGTTTTCCACGGAGGTTTGA	TCAAACCTCCGTGGAAAACCAAAC
1070	GCAGGAACCAGATTAGTGTCCTGG	CCGGGACACTAATCTGGTTCTCTGC
1071	TTTGCTAGAGCGCGGAGCTAAAGC	GCTTTAGCTCCGCGCTCTAGCAAA
1072	CTATGTGGCATCGCTGACATGCTC	GAGCATGTCAGCGATGCCACATAG
1073	CCTAAGTCGGTTTGCAGCTGCTCT	AGAGCAGCTGCAAACCGACTTAGG
1074	GCGTTCGTCCACAGGAACGGAAGG	CCTTCCGTTCTGTGGACGAACGC
1075	TAACCCGCGCCCGAGAAATTGTCT	AGACAATTTCTCGGGCGCGGGTTA
1076	TATGGTGCTCAGAGCTGTTGCCAA	TTGGCAACAGCTCTGAGCACCATA
1077	TCATCGACCCACTAACGTCAGGGC	GCCCTGACGTTAGTGGGTCGATGA
1078	TGCTCAAGCTACGCGTCACTTCCC	GGGAAGTGACGCGTAGCTTGAGCA
1079	AGCGGGAAGGTCTGAGGAGGGAAA	TTCCCTCCTCAGACCTTCCCGCT
1080	CCGATGTAGCACCACCGCAGTGGC	GCCACTGCGGTGGTGCTACATCGG
1081	AAGTTCTGGGAATCACACGGCGCG	CGCGCCGTGTGATTCCCAGAACTT
1082	CACCAGCCTTACGTGCGGCGTTAA	TTAACGCCGCACGTAAGGCTGGTG
1083	CGTTTCGCCTCCTCTTCCGAATGC	GCATTGGAAGAGGAGGCGAAACG
1084	GAGGAGGCCAATAGAGCAGCGCGC	GCGCGCTGCTCTATTGGCCTCCTC
1085	AGTAATCTTGCGGCACACAAGCGG	CCGCTTGTGTGCCGCAAGATTACT
1086	TGAGGACAAACCGCGCGTAGGATA	TATCCTACGCGCGGTTTGTCTCA
1087	TCGTAGAGACGCAGTGCCCATCTC	GAGATGGGCACTGCGTCTCTACGA
1088	CGAAGCTACACCCGAGTGCGGTG	CACCGCACTCGGGGTGTAGCTTCG
1089	ATGATGTGATCTTCCCATGGCTGG	CCAGCCATGGGAAGATCACATCAT
1090	TGTACACGTATCGGTTTCGCCTAG	CTAGGCGAACGCGATACGTGTACA
1091	GGTGTGCTTTTACGCATGTACGCA	TGCGTACATGCGTAAAGCACACC
1092	AGGCGGGATACGTGGATGCTAGCC	GGCTAGCATCCACGTATCCCGCCT
1093	AAATTAGGCACAGCCCTCCCACAG	CTGTGGGAGGGCTGTGCCTAATTT
1094	ATAAGTTTGGTGAGCCATTGCGGA	TCGCGAATGGCTCACCAAACCTTAT
1095	CCTATTTTCGGCGGACCTCGATGCC	GGCATCGAGGTCCGCCGAAATAGG
1096	TTACCGGAATATGCACTTGGCCGC	GCGGCCAAGTGCAATTCCGGTAA
1097	CCTCTCGGACGGTCCCTTTGATCG	CGATCAAAGGGACCGTCCGAGAGG
1098	CAAGCGAATGCTGTATTACGGCCT	AGGCCGTAATACAGCATTTCGCTTG
1099	GCATTTCCCATGCCAGAACGTTGA	TCAACGTTCTGGCATGGGAAATGC
1100	GTTTTGGCTAACCGTCTGCCTTG	CAAGGCAGGACGGTTAGCCAAAAC
1101	AGGTTTTGTCCGGGCGAATGATGT	ACATCATTCGCCCGGACAAAACCT
1102	ATGTCCACGAGTGC GTCCGATATC	GATATCGGACGCACTCGTGGACAT
1103	AGACGCGTACGAGGGTTCTGCGCC	GGCGCAGAACCCTCGTACGCGTCT

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1104	AATACCGTTCCCATCTGTGCGAGG	CCTCGCACAGATGGGAACGGTATT
1105	ACACAAGGTGCCTCATCGAATGGT	ACCATTCGATGAGGCACCTTGTGT
1106	GCCGGCAAAATCCTACAAAATCCA	TGGATTTTGTAGGATTTTGCCGGC
1107	CTTATCCCATGTGCCGGTCTGACT	AGTCAGACCGGCACATGGGATAAG
1108	GCGGCCATAATGCATAGCACGGAA	TTCCGTGCTATGCATTATGGCCGC
1109	TACGGTGCATCGCAGTATGGGTAA	TTACCCATACTGCGATGCACCGTA
1110	CACCAGATGTCGAGGATCATCGCC	GGCGATGATCCTCGACATCTGGTG
1111	GCTCCTACGCCCAAAGAGGTATGG	CCATACCTCTTTGGGCGTAGGAGC
1112	AGAATATGGGCAGCAGCAGCACTC	GAGTGCTGCTGCTGCCCATATTCT
1113	CTGCAGTCGCACGCAGTAGACCCG	CGGGTCTACTGCGTGCGACTGCAG
1114	ATGTCCCTGACCGGAATCTTTCCA	TGGAAAGATTCCGGTCAGGGACAT
1115	TTCGCCACGAGGCATTAGTCCGAC	GTCGGACTAATGCCTCGTGCGGAA
1116	ACGTCGTTCCCGAGAATACGGTCT	AGACCGTATTCTCGGGAACGACGT
1117	ATCCGCTGGCGCTTTGACGAAGAA	TTCTTCGTCAAAGCGCCAGCGGAT
1118	TGAACCAAATTCTTACCGCGTGGA	TCCACGCGGTAAGAATTTGGTTCA
1119	CACGCGTAGGCTGGTGTGTCATTC	GAATGACACACCAGCCTACGCGTG
1120	TCGATCCCGCGATCTGGCCTATTG	CAATAGGCCAGATCGCGGGATCGA
1121	GGAACACTCAACCACCGTGGATCT	AGATCCACGGTGGTTGAGTGTTCC
1122	TCACACACCAACTGGCCACAGATG	CATCTGTGGCCAGTTGGTGTGTGA
1123	TGTGCTTAGGACACCAGGCAACCC	GGGTTGCCTGGTGTCTAAGCACA
1124	GACATTTAACCCGACCGATTGTGC	GCACAATCGGTCGGGTTAAATGTC
1125	GGCACCAGCCAGTAGGCCTCTGA	TCAGAGGCCTACTGGCTCGGTGCC
1126	CTCAAGCGTGCATGTTGGTAACCA	TGGTTACCAACATGCACGCTTGAG
1127	AGGAAGGCCACCATCCAATATTCG	CGAATATTGGATGGTGGCCTTCCT
1128	TACGAACGCCAAGGTTATGCCAAT	ATTGGCATAACCTTGGCGTTCGTA
1129	CGCACCAGAGTTATGCAGGCTCAA	TTGAGCCTGCATAACTCTGGTGCG
1130	CCAGCTTGACGAGGAAGGATGTG	CACATCCTTCCTCGTCCAAGCTGG
1131	GTCACGCCTTTCAAATGACCCACA	TGTGGGTCATTTGAAAGGCGTGAC
1132	TGCTAGACCCAGCCCGAGTCTCGG	CCGAGACTCGGGCTGGGTCTAGCA
1133	TATTGTGGCACTTGGGTCCAGTGC	GCACTGGACCCAAGTGCCACAATA
1134	CACGTGTGAGACCGGAAGTGCATC	GATGCACTTCCGGTCTCACACGTG
1135	GGCAGCCTGATGCTACAGCACCGT	ACGGTGCTGTAGCATCAGGCTGCC
1136	CGGTCCGTCCATCCTTCAGAGTTA	TAACTCTGAAGGATGGACGGACCG
1137	CTATTTCGCGGACCCTACGCAGTTT	AAACTGCGTAGGGTCCGCGAATAG
1138	ACCTGTGCAGTCAGCACGAGTGCG	CGCACTCGTGCTGACTGCACAGGT
1139	GAGAACCACAGGTGGTCCACCCTA	TAGGGTGGACCACCTGTGGTTCTC
1140	CCTCGCTAGAGAAATCCACGGGAT	ATCCCGTGGATTTCTCTAGCGAGG
1141	TAACATCGGTGCAAACCGTGGCGC	GCGCCACGGTTTGACCGATGTTA
1142	ACCCAGAAGACATGGCATTGCGCT	AGGCGAATGCCATGTCTTCTGGGT
1143	AAAAGCGTGCTCTAACACCGCCG	CGGCGGTGTTAGAGCAGCGCTTTT
1144	CAAGTCTGTCCATTTCCAACGGT	ACCGTTGGGAAATGGACAGACTTG



1145	CCGACACATGGTGGGCTTTTTAAG	CTTAAAAAGCCCACCATGTGTGCGG
1146	ACAGACCAGCTTTTTGCGCAGATT	AATCTGCGCAAAAAGCTGGTCTGT
1147	CGGCGATCCATTTCACTTCAAAGT	ACTTTGAAGTGAAATGGATCGCCG
1148	GACGTTATCATGACACAGGTCGCG	CGCGACCTGTGTCATGATAACGTC
1149	GGCAGAGTTGGATCGGATCCTCAA	TTGAGGATCCGATCCAACCTGCCC
1150	CCTCAATGCCACCGAATTCGGTAT	ATACCGAATTCGGTGGCATTGAGG
1151	GGAGTTAGCGTGATTAGTCGCCCA	TGGGCGACTAATCACGCTAACTCC
1152	GAAGTCGACGTGTCACGGAAGGGT	ACCCTTCCGTGACACGTCGAGTTC
1153	CACAAGCGACATTTCTGGTGACG	CGTGCACCAGAAATGTCGCTTGTG
1154	CCAGAATGCGTGAATTCGCGTCCT	AGGACGCGAATTCACGCATTCTGG
1155	CAAGGGAGCCCTGCGAATTAGAGT	ACTCTAATTCGCAGGGGCTCCCTTG
1156	ATTCTTGCTTCGGACGACTAGCCG	CGGCTAGTCGTCCGAAGCAAGAAT
1157	TGCCACTTTGATTTCCAGATTGCC	GGCAATCTGGAAATCAAAGTGCGCA
1158	GATGGTCGGCAGATAAGTGGTGGG	CCCACCACTTATCTGCCGACCATC
1159	GTTACACGCGGTTGACCAACATGT	ACATGTTGGTCAACCCGTGTGAAC
1160	GATTCAATTGCCCCATTCTGCAT	ATGCAGGAATGGGGCAATTGAATC
1161	TACCGGAAACTGAGCCTCGTGCTA	TAGCACGAGGCTCAGTTTCCGGTA
1162	GGATCTTTACTCAGGGGCAGAGCC	GGCTCTGCCCTGAGTAAAGATCC
1163	CGCGAGTGCTTTGTTCTGTGTGGA	TCCACACAGAACAAAGCACTCGCG
1164	GTCGTCGCGATGGCGTACATCCTT	AAGGATGTACGCCATCGCGACGAC
1165	ACGGGAATCTCCCGAAGTGCGAGC	GCTCGCACTTCGGGAGATTCCCGT
1166	GGTCGAAATGAGCCAGCAGCAGAT	ATCTGCTGCTGGCTCATTTGACCC
1167	CCATTGGAATACTGCGTGCGGCTT	AAGCCGCACGCAGTATTCCAATGG
1168	GGAAGACTTCGCGAGGGCACAATG	CATTGTGCCCTCGCGAAGTCTTCC
1169	AGGGTGACTTCGAAGGTCCGAAGT	AGTTCGGACCTTCGAAGTCAACCCT
1170	TCGTCCCTCTGGTGGTCAATCAC	GTGATTCGACCACCAGAGGGACGA
1171	TGTGCAAATTATGCTGGGCGTGAG	CTCACGCCCAGCATAATTTGCACA
1172	GTCGCCAACTGTCATGTGTGCCCA	TGGGCACACATGACAGTTGGCGAC
1173	CCTCGAACCCTCAAGACGAAACGA	TCGTTTCGTCTTGAGGGTTGAGG
1174	CTTCATCACGTGACCTTTGTTGCC	GGCAACAAAGGTCACGTGATGAAG
1175	CCTTCATTCCAGCAGGATGGCTT	AAGCCATCCTGCTGGGAATGAAGG
1176	CGGGGACCTCAATGGAGCGTCTTA	TAAGACGCTCCATTGAGGTCCCCG
1177	CGCCTCTAGCGCTTGTTACGTCGA	TCGACGTAAACAAGCGCTAGAGGCG
1178	CTGCCAGACTCAAAACAGGGACGG	CCGTCCCTGTTTTGAGTCTGGCAG
1179	CTCCTTACACCGTGTGAGGGAACC	GGTTCCTCACACGGTGTAAAGGAG
1180	TTTCATGCCATATCGCCTCGCGCA	TGCGCGAGGCGATATGGCATGAAA
1181	GTCTGACTGTCTGCCCTGTATGCG	CGCATACAGGGCAGACAGTCAGAC
1182	GGTTAATGGAACGGCGTTAACGCG	CGCGTTAACGCCGTTCCATTAAACC
1183	CTTCGCACTGCGGAATCTCAAGCT	AGCTTGAGATTCCGCAGTGCGAAG
1184	TGCCAGAGGCGTAGGAGTCCTGGA	TCCAGGACTCCTACGCCTCTGGCA
1185	GACGGGCGAGCCAGTATTAAGTCA	TGAGTTAATACTGGCTCGCCCGTC



1186	GACCTCCAAAGTCAGTCTTGGCGG	CCGCCAAGACTGACTTTGGAGGTC
1187	CGTTAGAGCATGACCGAACACGTC	GACGTGTTGGGTCATGCTCTAACG
1188	GTGGGCTCAAAAATTGGGTACGCC	GGCGTACCCAATTTTTGAGCCAC
1189	GGGGCAGAGATCACGCGTTCCTCT	AGAGGAACGCGTGATCTCTGCCCC
1190	TTTCGCCCTACGAAGCGAAGTTTC	GAAACTTCGCTTCGTAGGGCGAAA
1191	TACGGGGTGATGTTAAGCTACGCG	CGCGTAGCTTAACATCACCCCGTA
1192	CCTGTGAGTCTGAGATCGCCGTGT	ACACGGCGATCTCAGACTCACAGG
1193	ACTGAAGCTGGAACAGGCCATTG	CGAATGGCCTGTTCCAGCTTCAGT
1194	AGCACTGGTTCACATGGGAGTCCA	TGGACTCCCATGTGAACCAGTGCT
1195	TAAGGAAGATCACACTCCCTGCGC	GCGCAGGGAGTGTGATCTTCCTTA
1196	CACCACACGCTAAAATTGAAGCCG	CGGCTTCAATTTTAGCGTGTGGTG
1197	GCTGTCGCCAGGATCATGTATCGT	ACGATACATGATCCTGGCGACAGC
1198	TTCGTTGTCGACTGGATTCTTGA	TCAAGAATCCAGTGCACGAACGAA
1199	TCAGCTCTCCTTGCTTGCTGAGTG	CACTGCAAGCACAAGGAGAGCTGA
1200	ACGACGAGGTGAACCTTCGTGGGAA	TTCCACGAAGTTCACCTCGTCGT
1201	AGCATTGCCGCGGGCCTTGTTTA	TAAACCAAGGCCCGCGGCAATGCT
1202	CAGAGGGCAGATGTGACTCCTCAA	TTGAGGAGTCACATCTGCCCTCTG
1203	CGATATTTACGCCTCTCAAACGCG	CGCGTTTGAGAGGCTGAAATATCG
1204	TGCCAGAAATGTTGCCGATTCGAA	TTGAATCGGCAACATTTCTGGCA
1205	TAGGCCACCCGGTGTTCACAATTC	GAATTGTGAACACCGGGTGCCCTA
1206	GAGAGTCAGACCGAGGGACACGAG	CTCGTGTCCCTCGGTCTGACTCTC
1207	GAGGCGATCCTGGAACCACGCAAC	GTTGCGTGGTTCAGGATCGCCTC
1208	CCAGAGAGGCGGGCTACTGACTCA	TGAGTCAGTAGCCCGCCTCTCTGG
1209	CACACAGTCCCATCGTACGGCAGT	ACTGCCGTACGATGGGACTGTGTG
1210	TTACGTTGCGGAAGCGTGCCTCTA	TAGAGGCACGCTTCCGCAACGTAA
1211	ATGTACACGCTGCAATCGTGTCCT	GGGACACGATTGCAGCGTGATCAT
1212	ACTCGTCGTGCGAAGCGCCAGGT	ACCTGGGCGCTTCCGACGACGAGT
1213	ATGCGAGAGCAGAATTGAGCCGGT	ACCGGCTCAATTCTGCTCTCGCAT
1214	AAGTTGGTTCGTATTCACGCGTGC	GCACGCGTGAATACGAACCAACTT
1215	TGGGCTTATCGCCGAAGATTGCTA	TAGCAATCTTCGGCGATAAGCCCA
1216	CAACGGCGAAGACCCAGAATTTTA	TAAAATTCTGGGTCTTCGCCGTTG
1217	AGCGTACGGCGAAAGTCTAGGGAC	GTCCCTAGACTTTCCGCCGTACGCT
1218	ATGCATCCAGCGTCCCCTTGATTA	TAATCAAGGGGACGCTGGATGCAT
1219	ACCGTCATCAGTCGCAGGCTTCTG	CAGAAGCCTGCGACTGATGACGGT
1220	TCTTGACGGCTGGGCATGATTGGA	TCCAATCATGCCAGCCGTCAAGA
1221	TTAACATTGCGACCCAGGACCTGG	CCAGGTCCTGGGTCCGAATGTTAA
1222	TGGTGTGCAACTCCCTTGCGTGTT	AACACGCAAGGGAGTTCGACACCA
1223	TACTCCAGTCGCCTGCGCGCAAAC	GTTTGCGCGCAGGCGACTGGAGTA
1224	CGCAATGCCGTAAGCATGCCAAGC	GCTTGGCATGCTTACGGCATTGCG
1225	AGTCCGCGCGAAATACGAACAGTA	TACTGTTGCTATTTGCGCGGACT
1226	ATGTTGCACGCGCACTGTATCACA	TGTGATACAGTGCGCGTGCAACAT

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1227	ATCGCCTAACTACCCGCGGCGTGC	GCACGCCGCGGGTAGTTAGGCGAT
1228	TGGCCAGGGAACACAAGCTCGGTA	TACCGAGCTTGTGTTCCCTGGCCA
1229	AAACATGGGTGCGCTCTGAGATCA	TGATCTCAGACGCGACCCATGTTT
1230	GCGAGAGCTGCGATTCCCTTTTAG	CTAAAAGGGAATCGCAGCTCTCGC
1231	CCGGCCAAACAAGAGACGAGCGGA	TCCGCTCGTCTCTTGTGTTGGCCGG
1232	AATGGGGCACAGTCTCGCTTGACA	TGTCAAGCGAGACTGTGCCCCATT
1233	TGTCTCGGGCCTTCAGGACACACT	AGTGTGTCCTGAAGGCCCGAGACA
1234	TCCACCTTCATTAAGTGGTTCGGC	GCCGAACCACTTAATGAAGGTGGA
1235	GCTTCGGAATCATCCACCTGTCAT	ATGACAGGTGGATGATTCCGAAGC
1236	GAGCCGATGGGCTATCGTCGTCGG	CCGACGACGATAGCCCATCGGCTC
1237	CACGAATTACGCACGCACAGAGGA	TCCTCTGTGCGTGCGTAATTCGTG
1238	GCTGTGACGCTCCCCTCAACTAGG	CCTAGTTGAGGGGAGCGTCACAGC
1239	CGCTCTGAAAACGCGGGCTACGTT	AACGTAGCCCGCGTTTTTCAGAGCG
1240	GAGTGCTGGACACCGTAGCCAGGA	TCCTGGCTACGGTGTCCAGCACTC
1241	CCAACCCAGTGTAGGCGCAAATG	CATTTGCGCCTACACTGGGGTTGG
1242	GAAGTAGGGGATGTTGGCCGGCGG	CCGCCGGCCAACATCCCCTACTTC
1243	CAACGTGGGCACCTGTTTTAGCAG	CTGCTAAAACAGGTGCCACGTTG
1244	CTAGCTGCGATCCGAACCTCTACG	CGTAGAGGTTTCGGATCGCAGCTAG
1245	CATTGAACCATCAGCCAAGCTGCG	CGCAGCTTGGCTGATGGTTCAATG
1246	AGACTGGCAATTTTCGAGGCCAA	TTGGCCTCGAAAAATTGCCAGTCT
1247	CTGGCCGTCCATGAGTTGGTCCAG	CTGGACCAACTCATGGACGGCCAG
1248	CATGCTGAAACACGGGATTGCCAT	ATGGCAATCCCGTGTTTCAGCATG
1249	CGATATGTAAGACAGCCGTCGCAA	TTGCGACGGCTGTCTTACATATCG
1250	AGCGTAACCTACTGGGAAGGCACC	GGTGCCTTCCCAGTAGGTTACGCT
1251	GTTCGAACCCCGCGATGTTAAATG	CATTTAACATCGCGGGGTTTGAAC
1252	GTTGTTAGGAGGCTCGAGGCTGCT	AGCAGCCTCGAGCCTCCTAACAAC
1253	ACTGGTGCTACGCGGGATATTTGA	TCAAATATCCCGCGTAGCACCAGT
1254	CTGGGAGCTATCCTCAGCCGAATC	GATTCCGGCTGAGGATAGCTCCAG
1255	GAACCTGCGCGCTGCCGAAGGGTAG	CTACCCTTCGGCAGCGGCGAGTTC
1256	TTCGATCGAGGAGCAAGGAGAGTC	GACTCTCCTTGCTCCTCGATCGAA
1257	GGGGAAAATTGAGGCCTTAGCCAT	ATGGCTAAGGCCTCAATTTTCCCC
1258	CTAAGGTCAAAGCGCTGTGCGCCAG	CTGGCGACAGCGCTTTGACCTTAG
1259	CCGTAGCGGTGCTCGACCAGGTTC	GAACCTGGTCGAGCACCAGTACGG
1260	TGGGGACGAATCCGAATGTAGTGA	TCACTACATTTCGGATTTCGTCCTCA
1261	GTCATGTAATTGCATCCACGGGT	ACCCGTGGGATGCAATTACATGAC
1262	CTTTGCGCGGTGGTCAATAAAAAG	CTTTTTATTGACCACCGCGCAAAG
1263	CTCGGGGATGCCCTCTTGGCATT	TAATGCCAAGAGGGCATCCCCGAG
1264	CGAAACGTGGTGCAGAAACCTGAA	TTCAGGTTTCTGCACCACGTTTCG
1265	GGAGTTCACGAGTCGAGCAGTCGC	GCGACTGCTCGACTCGTGAACCTCC
1266	AGCCGTTTTCAAAGATCTCGACGA	TCGTGAGATCTTTGAAAACGGCT
1267	TGGCTGGACATTGTCTGCAATGCA	TGCATTGCAGACAATGTCCAGCCA

1268	ATCGGCTGCCTCAGTCCCTAATTT	AAATTAGGGACTGAGGCAGCCGAT
1269	CCAGCATGGAGTTAAGTGAGCGCG	CGCGCTCACTTAACTCCATGCTGG
1270	TTCATATTTACGAATGCCGGGTGC	GCACCCGGCATTTCGTAAATATGAA
1271	CGAAATCGCACAGGAATTCGCGTC	GACGCGAATTCCTGTGCGATTTCCG
1272	GGCAATTTTCGGGACACTCGTTTCA	TGAAACGAGTGTCCCGAAATTGCC
1273	TTTGTGATTGGGGGTATAACCCGA	TCGGGTATACCCCCAATCACAAA
1274	CCCAGCTAATCCAGCTTGGGCTGT	ACAGCCCAAGCTGGATTAGCTGGG
1275	AAAATCGTTTGGCTGTAAACGTCGC	GCGACGTTACAGCCAAACGATTTT
1276	AGGAGATTCATCGACTTCCGGGAA	TTCCCGGAAGTCGATGAATCTCCT
1277	GCACGGGGTCTCAATGCTTAGGGT	ACCCTAAGCATTGAGACCCCGTGC
1278	GCGCAACAAGTAGCCTACCGAGGC	GCCTCGGTAGGCTACTTGTTCGCG
1279	TAGCAGGCTGATGCCGTCTACACA	TGTGTAGACGGCATCAGCCTGCTA
1280	GCAAGCGGCGATCGTACAACCTGT	ACAAGTTGTACGATCGCCGCTTGC
1281	GCACCTCTGGTAAGCCTGAAAGGG	CCCTTTCAGGCTTACCAGAGGTGC
1282	CGAGGGCGGTGAGTGCATACCGTG	CACGGTATGCACTCACCGCCCTCG
1283	GGATTAACCGGAACTGCCCTTCTG	CAGAAGGGCAGTTCCGGTTAATCC
1284	GATATTGGGTCCGGCGCGCATTAC	GTAATGCGCGCCGGACCCAATATC
1285	GGCCTTTAATCTCCGGTCGCAATG	CATTGCGACCGGAGATTAAAGGCC
1286	AACCTTAGTGCGGCTAGGTGGGGT	ACCCACCTAGCCGCACTAAGGTT
1287	CACGCTGACGCCAGTGTGGTGAGG	CCTCACCACACTGGCGTCAGCGTG
1288	GGTTCCTTGACCCACCGAATTGA	TCAATTCGGTGGGTCAAGGGAACC
1289	TTCTGACAACATCGACCCTGGCTC	GAGCCAGGGTCGATGTTGTAGAA
1290	GCGAGCGAAGATAATCCCCAACT	AGTTTGGGGATTATCTTCGCTCGC
1291	GTAATCTGTGCAACGGTCCCGAGT	ACTCGGGACCGTTGCACAGAGTAC
1292	ACACGCCAGGAACAGTGTCTGTGA	TCACAGACACTGTTCTGGCGTGT
1293	AAGGGAATTTAGCGCGCGTGACTT	AAGTCACGCGCGCTAAATTCCCTT
1294	TGACGTACGCGTTTTAAGTGGGGA	TCCCCACTTAAACGCGTACGTCA
1295	CTTAGAGGGACGAGGCCATGAATG	CATTCATGGCCTCGTCCCTCTAAG
1296	GGACGACTCCGCAAAAAAGGTCGT	ACGACCTTTTTTTCGGAGTCGTCC
1297	TCAATCCCAACATCCAAAGCCTCA	TGAGGCTTTGGATGTTGGGATTGA
1298	GCACTGGTCTACCAAGCTTGTCCC	GGGACAAGCTTGGTAGACCAAGTGC
1299	ACTTGTGCGAAACGAGACCGAGCA	TGCTCGGTCTCGTTTCCGACAAGT
1300	TCAGGAAAGGCCTAAAGGCGAAAG	CTTTCGCTTTAGGCCTTTCCTGA
1301	GGAATGTAGTCAAGGAGGACGGGG	CCCCGTCCTCCTTGACTACATTCC
1302	GCACGTGGTAAATGAATTGGCGAG	CTCGCCAATTCATTTACCACGTGC
1303	GATCATCAGGGTTATGCGTCGCG	CGCGACGCATAACCCCTGATGATC
1304	CTCACTCATTCTGATTGCCCGCGG	CCGCGGGCAATCAGAATGAGTGAG
1305	GGGGTGATCTCTGAACGTCACCC	GGGTGACGTTTCGAGAGATCACCCC
1306	AAGGTTGCTGCTAGCGTACCTCGA	TCGAGGTACGCTAGCAGCAACCTT
1307	TATAGATCGCCCAACAGGCAGGAG	CTCCTGCCTGTTGGGCGATCTATA
1308	GTTTGGACCTGTTGGGAGTGGGCA	TGCCCACTCCCAACAGGTCCAAAC

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1309	ATTGGGGAAAACCCGGTCTCAAGG	CCTTGAGACCGGGTTTTCCCAAT
1310	TCGACGATAAAGTGCTCACGGGAC	GTCCCGTGAGCACTTTATCGTCGA
1311	CGATAGAATTCAATGCAGGGCGGA	TCCGCCCTGCATTGAATTCTATCG
1312	CGGTTCGCTACGGCGGCTGGTTTC	GAAACCAGCCGCCGTAGCGAACCG
1313	CCAGGTTTCGGTTAGTCGCGCTAG	CTAGCGCGACTAACCGAAACCTGG
1314	ACGACCTTACACTCGGATCCGACG	CGTCGGATCCGAGTGTAAGGTCGT
1315	TCGCGTTAAATGGACCAAGGGGCC	GGCCCCTTGGTCCATTTAACGCGA
1316	CCAGAAAGAAAATGGCGCCCGGAT	ATCCGGGCGCCATTTTCTTTCTGG
1317	GATACATCGCCGCCTGCTAGGCAC	GTGCCTAGCAGGCGGCGATGTATC
1318	GAGATCACACTCGGAAACCGGATG	CATCCGGTTTCCGAGTGTGATCTC
1319	ACTTCGCGGAAAAAGGCTGGCATT	AATGCCAGCCTTTTTCCGCGAAGT
1320	CCGAGCTGCACGAGCACACAAAGT	ACTTTGTGTGCTCGTGACGCTCGG
1321	TTCCACAAGGCGGCATAGTGAGGC	GCCTCACTATGCCGCCTTGTGGAA
1322	AGCAAACCTGGAATCCGGAAAAACC	GGTTTTTCCGGATTCCAGTTTGCT
1323	CGCTATGTGCGAGCATGCATTTAC	GTAAATGCATGCTGCGACATAGCG
1324	AGTCACGCCCAACGTCGGTTCTTT	AAAGAACCGACGTTGGGCGTGA
1325	AGTGGGCGCACTTGGCCTTAAATA	TATTTAAGGCCAAGTGCGCCCACT
1326	ACTTGCAACTTCGGCCGTTTGACT	AGTCAAACGGCCGAAGTTGCAAGT
1327	CAAACATCAGGTTTCATGCCGTACG	CGTACGGCATGAACCTGATGTTTG
1328	AGCGTGACCACCTACAATGGCAA	TTGCCATTGTAGGGTGGTCACGCT
1329	GCAGGCATCCGGCAGAGATGTCTC	GAGACATCTCTGCCGGATGCCTGC
1330	GAGCGGCTAAGAGGCCAGACCAAA	TTTGGTCTGGCCTCTTAGCCGCTC
1331	CACAGAACAGGGTGTTTCCCGCTA	TAGCGGGAAACACCCTGTTCTGTG
1332	ACTTTGCAGAAGGCCCAACACAAG	CTTGTGTTGGGCCCTTCTGCAAAGT
1333	CCTTCCTGGTACTTTGTGGGCGAC	GTCGCCACAAAGTACCAGGAAGG
1334	CTACATGCTCACCCACCAGAGTG	CACTCTGGTGGGGTGAGCATGTAG
1335	ATTTTCAGAATAGCCCCGCCTCGA	TCGAGGCGGGGCTATTCTGAAAAT
1336	CAATTGCTACGTTGACGCCCTCTG	CAGAGGGCGTCAACGTAGCAATTG
1337	CTGTCGCCTAATCCTCGGTGGCCG	CGGCCACCGAGGATTAGGCGACAG
1338	TTTGTGTTGGCTCCGTACATTGGA	TCCAATGTACGGAGCCAACACAAA
1339	ACGTGACGGGAAGGTGGTTGAATC	GATTCAACCACCTTCCCGTCACGT
1340	AGTTCTTGC GTTGACGAAACAGA	TCTGTTTCGTGCAACGCAAGAACT
1341	GCTCGCCGCGCGTCTTTATGTCTG	CAGACATAAAGACGCGCGGCGAGC
1342	ATGAACATCGCGAGGCAAGCCTTT	AAAGGCTTGCCTCGCGATGTTTAT
1343	CAACCGCGCCACCAACATTAAGG	CCTTAATGTTGGTGGGCGCGGTTG
1344	TGATCGAGGACGGCTTGGTAGCCT	AGGCTACCAAGCCGTCTCGATCA
1345	GGAGGCATGCCCTCCGAGAGCAAC	GTTGCTCTCGGAAGGCATGCCTCC
1346	CACCGATCCTCAACGCAATTGCTA	TAGCAATTGCGTTGAGGATCGGTG
1347	GGCCATGAATTGGGAAATCCATGT	ACATGGATTTCCCAATTCATGGCC
1348	CTGTTCCAGGCGTAACCAGCGGGC	GCCCGCTGGTTACGCCTGGAACAG
1349	TATGTCTGGCTCGCCATCAGAAGA	TCTTCTGATGGCGAGCCAGACATA

1350	GGAGTGACCAGCACAAAGCATCGAG	CTCGATGCTTGTGCTGGTCACTCC
1351	TCGGACTGGAAGTAACTCGCATGA	TCATGCGAGTTACTTCCAGTCCGA
1352	GTAGGGTCAAGCACGATTGAAGCC	GGCTTCAATCGTGCTTGACCCTAC
1353	CACCGGCGGTTTCTGACTAACGTGAC	GTCACGTTAGTCGAACCGCCGGTG
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1356	GCGGACCTGGGTTAATTGACGCGC	GCGCGTCAATTAACCCAGGTCCGC
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1358	TTGCGTCAGCGCATCTGCTCGATT	AATCGAGCAGATGCGCTGACGCAA
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1361	CGCGATTGACTGAACCACACCTCT	AGAGGTGTGGTTCAGTCAATCGCG
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1363	CATGATTCCACCTCGATCGGCTAG	CTAGCCGATCGAGGTGGAATCATG
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1365	ATGCCGTGTTTATCTTGATGGTCC	GGACCATCAAGATGAACACGGCAT
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1367	GAAGCGCCGTAACGTACACCGTCG	CGACGGTGTACGTTACGGCGCTTC
1368	AGCGTGCGCTTGGCTATAAGGCTA	TAGCCTTATAGCCAAGCGCACGCT
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1370	TTTAGCCGCTGCGACTGTAGGAAA	TTTCCTACAGTCGCAGCGGCTAAA
1371	ACTGTGTCGCAATCAACCCGCAAA	TTTGCGGGTTGATTGCGACACAGT
1372	TGCAGCCAATGCGGAACTTAGAGG	CCTCTAAGTTCCGCATTGGCTGCA
1373	CCCGCTATCCCGGTCTTGCACTTC	GAACTGCAAGACCGGGATAGCGGG
1374	GAGGGCGCAACATATGCAGTGCTG	CAGCACTGCATATGTTGCGCCCTC
1375	CGTACGGACATCGATGACGCAACG	CGTTGCGTCATCGATGTCCGTACG
1376	AGTCTCCCGAGAAACGCATAAGGC	GCCTTATGCGTTTCTCGGGAGACT
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1378	GGGTTGCTCACCCTCGTCATCAGG	CCTGATGACGAGGGTGAGCAACCC
1379	TAGGAATGCGAGTTCCGGCGGTAA	TTACCGCCGGAACCTCGCATTCTA
1380	CTCCTCACTTCCAAGCTGCGGATA	TATCCGCAGCTTGGAAGTGAGGAG
1381	TCAATAGCACCTAGCATGCTCCCG	CGGGAGCATGCTAGGTGCTATTGA
1382	TGATTCTGCGCTTTTACAGGTCG	CGACCTGTGAAAGCGCAGGAATCA
1383	GTATGTGCGGGATGGAAATCACGC	GCGTGATTTCCATCCCGCACATAC
1384	TACGGCAACTGTGATACGAGGGC	GCCCTCGTATCGACAGTTGCCGTA
1385	GGTTCCCTATCCAGCACTCCTCGC	GCGAGGAGTGCTGGATAGGGAACC
1386	ATAAGCGCGCCACAGGTATGTACC	GGTACATACCTGTGGCGCGCTTAT
1387	GAAAGTCGCCAACAGACTCGAGCA	TGCTCGAGTCTGTTGGCGACTTTC
1388	CGCTAATGCCTCATAGGCGTGTGC	GCACACGCCTATGAGGCATTAGCG
1389	ATCCCCGCCGCACGAAGTACCAAG	CTTGGTACTTCGTGCGGCGGGGAT
1390	GACGCTGCTGATGGCTTTATCGAT	ATCGATAAAGCCATCAGCAGCGTC

1391	CTCTCCCCGTCGCTTCAGAGATTA	TAATCTCTGAAGCGACGGGGAGAG
1392	TCATGTGGGCCGTCGTATCAGTTT	AAACTGATACGACGGCCCACATGA
1393	GGCCTGAAGGTGAATGGTTACGTG	CACGTAACCATTACCTTCAGGCC
1394	AGCCTCCAAAGCCGGTAGAGTTCC	GGAAGTCTACCGGCTTTGGAGGCT
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1396	GCCTGAGTCCGGGTCGGGAAAGAA	TTCTTTCCCGACCCGGACTCAGGC
1397	GGCACTATACCGGTTCTGGACGCG	CGCGTCCAGAACCGGTATAGTGCC
1398	CCGTGTATACGGAAAGGTACGCCA	TGGCGTACCTTTCCGTATACACGG
1399	CCCAAGGCAAGTGTGCATCAGTCC	GGAAGTATGCACACTTGCCTTGGG
1400	GGAGTGCATCATGGCCAAATCTGG	CCAGATTTGGCCATGATGCACTCC
1401	CCATGTTACGTCTGCGCACCACAG	CTGTGGTGCGCAGACGTAACATGG
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1403	TTGGCACTCTGCAAGATACGTGGG	CCCACGTATCTTGCAGAGTGCCAA
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1405	CGATCAACTTGCGGCCATTCTGCT	GCAGGAATGGCCGCAAGTTGATCG
1406	CGGCTGGGGTCACAGAAACGAGTA	TACTCGTTTCTGTGACCCCAGCCG
1407	GCGGCTAGTTGTACCTAGCGGCTG	CAGCCGCTAGGTACAAGTAGCCGC
1408	TCGTCACTGTTAGAGAGGCCTCCG	CGGAGGCCTCTCTAACAGTGACGA
1409	AGTGTGCTGAGCCCTAGCGGCGCT	AGCGCCGCTAGGGCTCACGACACT
1410	AGGACGCAGGGATTCAAGTGCAAC	GTTGCACTTGAATCCCTGCGTCCT
1411	ACCGATGCGCGGTGCGTCTCATAC	GTATGAGACCGACCGCGCATCGGT
1412	GGCAGAGGGTTAGGGGGTTTTTTT	AAAAAAACCCCTAACCCTCTGCC
1413	GGCAAAGGGTGTTTATGGGAGACC	GGTCTCCCATAAACACCCTTTGCC
1414	ACAAGGCTTCGGCTGGCAGAATAC	GTATTCTGCCAGCCGAAGCCTTGT
1415	CATATCCGTTCCATCGCCAGACG	CGTCTGGCGATAGGAACGGATATG
1416	AAGCCTTTGTGGCCAAGGCCGCGT	ACGCGGCCTTGCCACAAAGGCTT
1417	CCGAACCATGGCTTTATCCAGTGT	AACTGGATAAAGCCATGGTTCCG
1418	GTTGAGCAGTAGCTCCCTCCTCGA	TCGAGGAGGGAGCTACTGCTGAAC
1419	GCGCAGTGACACCATGATGCTTTC	GAAAGCATCATGGTGCACTGCGC
1420	ACGATCCATTTTGCCAGCATGCAA	TTGCATGCTGGCAAAATGGATCGT
1421	TCCCTTCATTTGCGGTTTTTAGCC	GGCTAAAAACCCGAAATGAAGGGA
1422	TCTTCTTGCCACATTCCCTTTTG	CAAAAGGGAATGTGGGCAAGAAGA
1423	TGCCTTTTGATTGGTGGTCACGGT	ACCGTGACCACCAATCAAAAGGCA
1424	GACCCTCACGGTCATCAGAGGGAG	CTCCCTCTGATGACCGTGAGGGTC
1425	CCGTTCAACACAGTGATACACGCG	CGCGTGTATCACTGTGTTGAACGG
1426	CACCAGGGGATAGGTGCGGTACGC	GCGTACCGCACCTATCCCCTGGTG
1427	GGTCGGAAGTATCTGTGCGATCC	GGATCGCACAGATCAGTTCCGACC
1428	TGCTCCTTCCTAGGGTCATCCGTG	CACGGATGACCCTAGGAAGGAGCA
1429	GTGGACTTTGACGCCGGCTACCGC	GCGGTAGCCGGCGTCAAAGTCCAC
1430	CTGATCTGTGCGCGGTTACTTGCC	GGCAAGTAACCGCCGACAGATCAG
1431	AGAGGAGCGGAAAAAACCGGACGA	TCGTCCGGTTTTTTCCGCTCCTCT

1432	GCGACGAAGAGATCCAGCAAGCTC	GAGCTTGCTGGATCTCTTCGTCGC
1433	GGGACTTCCAGCTGAGGGACGAAA	TTTCGTCCCTCAGCTGGAAGTCCC
1434	GGCGCACTCCAATACCCACTGTTT	AAACAGTGGGTATTGGAGTGCGCC
1435	GCGCTTGGAGACTGTCAGGACGTG	CACGTCCTGACAGTCTCCAAGCGC
1436	CAAACCGCTGGTTTCTCCACCTGT	ACAGGTGGAGAAACCAGCGGTTTG
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1438	CTCAGCGACATTTTTCTGGTGCG	CGCCACCAGAAAAATGTCGCTGAG
1439	CAGCGGCGTCGTTTACTCAGGACT	AGTCCTGAGTAAACGACGCCGCTG
1440	GACAGCCGTGAACGCTCAGCCGTT	AACGGCTGAGCGTTCACGGCTGTC
1441	GGGCCGTAGAGGCATCGGGTAAAG	CTTTACCCGATGCCTCTACGGCCC
1442	CGCCGCTCACCTGCTTAAAGCATT	AATGCTTTAAGCAGGTGAGCGGCG
1443	TGCCAAATCGCAACTCTTGAGACA	TGTCTCAAGAGTTGCGATTTGGCA
1444	CCCCGATCGGGTGTAATTCTCCCT	AGGGAGAATTACACCCGATCGGGG
1445	CAAGGTCCAGGTGACGCAACCACT	AGTGGTTGCGTCACCTGGACCTTG
1446	CGAGCCTTCAGTGGTATGCATGCG	CGCATGCATACCACTGAAGGCTCG
1447	CAGCAGCGTGCCCATCTCGACTTA	TAAGTCGAGATGGGCACGCTGCTG
1448	CGGACCAAGATGGCAGTAATCCAG	CTGGATTACTGCCATCTTGGTCCG
1449	CTACCACGCTCTGCGCGGGCTGTA	TACAGCCCGCGCAGAGCGTGGTAG
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1451	CGACATATCCGACATGACCGGATG	CATCCGGTCATGTCGGATATGTCTG
1452	GCGCCCAGGCTGTGTTAGAAAATA	TATTTTCTAACACAGCCTGGGCGC
1453	AGCTGGGACTCCGGACCTTGAGTG	CACTCAAGGTCCGGAGTCCAGCT
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1455	TCGTTCTCTGGAACAATTCAGCA	TGCTGAATTGTTCCAGAGGAACGA
1456	CGGCATCTCCGGACAAAGGTTAAC	GTAAACCTTTGTCCGGAGATGCCG
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1458	TGCAAGGGAGAAAGCCCCATGAGC	GCTCATGGGGCTTTCTCCCTTGCA
1459	ACTGCATAGCCCAGATCCGCTTGC	GCAAGCGGATCTGGGCTATGCAGT
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1461	CATCCATCTACAATTCGGGCCAGT	ACTGGCCCGAATTGTAGATGGATG
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1463	AACTGGAATTGCTAGACCCCGCG	CGCGGGGTCTAGCAATTCCAGTGT
1464	CTGAGCTGCGTGCGGACAACTCCGC	GCGGAGTTGTCCACGCAGCTCAG
1465	CAGCTACTAGGGCGCGATGTACCC	GGGTACATCGCGCCCTAGTAGCTG
1466	ATAATGATGGGACGAGAAGGCCCC	GGGGCCTTCTCGTCCCATTAT
1467	CGACCGAGTGTTACGACATGGTGC	GCACCATGTCGTAACACTCGGTGC
1468	TGCAGTACCCGCCGCTCCACTAGT	ACTAGTGGAGCGGCGGGTACTGCA
1469	ATGCTAGCGCGCCTGTCAACGTAC	GTACGTTGACAGGCGCGCTAGCAT
1470	AGACTCACTGCCGGCTGATCAAAT	ATTTGATCAGCCGGCAGTGAGTCT
1471	GCCTGGTGCGAAGATAGGGATTCC	GGAATCCCTATCTTCGCACCAGGC
1472	GGAAAGTTGGCGGATCCGAGCACT	AGTGCTCGGATCCGCCAACTTTCC



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1473	GGCAGTGAGCAATGTGTGACGAGG	CCTCGTCACACATTGCTCACTGCC
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1475	CTCGCCTTAGATCGTGTTCCGCA	TGCGGAACCACGATCTAAGGCGAG
1476	GTCGAGGAATATCATCGCAGCCAG	CTGGCTGCGATGATATTCCTCGAC
1477	GCGAATGCAACGAGACAAGAAGGA	TCCTTCTTGTCTCGTTGCATTGCG
1478	TTCGCCACCAAGTCGGCATTGTT	AACAAATGCCGACTTGGTGCGGAA
1479	CGGTGGCTGACACTTGCCGGATTG	GAATCCGGCAAGTGTGAGCCACCG
1480	CAAGGAGCAATCAGATGGTCGGAG	CTCCGACCATCTGATTGCTCCTTG
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1482	CTCTCGCCACATAACTGCACAAA	TTTGTGCAGTTATGTGGGCGAGAG
1483	AAACCTGCCTAAGCAAGCACTGGA	TCCAGTGCTTGCTTAGGCAGGTTT
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1485	TGCTTGCGATATCACGATACTGCG	CGCAGTATCGTGATATCGCAAGCA
1486	TTAGTGTTGAGCCTTGAGCCGGC	GCCGGCTCAAGGCTCGAACACTAA
1487	CTTGTTGCGCGAGTCCGTCTGGGA	TCCCAGACGGACTCGCGCAACAAG
1488	GTCAGCTGCCTGCTGGTGCTCTTC	GAAGAGCACCAGCAGGCAGCTGAC
1489	CATCCCTCGAGGTGTAGGCAACAC	GTGTTGCCTACACCTCGAGGGATG
1490	CAGATGCACTCCGACGGGATTGAG	CTGAATCCCGTCGGAGTGCATCTG
1491	CTGAGCCTCGCGAAGCTGTGGCAT	ATGCCACAGCTTCGCGAGGCTCAG
1492	GCTATGCCACGCCGCAGATAGAGC	GCTCTATCTGCGGCGTGGCATAGC
1493	AACACCAACCATAACCGTCCGTTCA	TGAACGGACGGTATGGTTGGTGTT
1494	GCCCAGAGCTAAAGCATGTCTGGG	CCCAGACATGCTTTAGCTCTGGGC
1495	AATGCTGCAATGCTAGCGTCGCTA	TAGCGACGCTAGCATTGCAGCATT
1496	TCCGGACGCAGTATCCAATCCGGA	TCCGGATTGGATACTGCGTCCGGA
1497	TAAGACCATGTGGCACCAAGGTGC	GCACCTTGGTGCCACATGGTCTTA
1498	ACAGCCACACACACGCGCCCACTA	TAGTGGGCGCGTGTGTGTGGCTGT
1499	TAGAACCGAGCACGGCGCCTTGTA	TACAAGGCGCCGTGCTCGGTTCTA
1500	TTCGAGTAAGCTGGCAGGACCACT	AGTGGTCCTGCCAGCTTACTCGAA
1501	CTTTCGCAGGTTTCGCAGACAATCC	GGATTGTCTGCGAACCTGCGAAAG
1502	TACGTCCTGTGCTGTTGACACCGG	CCGGTGTCAACAGCACAGGACGTA
1503	GTTCCGGTCAATGTTTCGGGGAGA	TCTCCCCGAAACATTGACCCGAAC
1504	CCCTGTTGTGAAGGGGTTTTGTGA	TCACAAAACCCCTTACAAACAGGG
1505	GGCAGATTGGTGAACCCCAAGATAA	TTATCTGGGGTTCAACCAATCTGCC
1506	CCCTCGGTGTGTTCAAGCCAAATC	GATTTGGCTTGAACACACCGAGGG
1507	CCCGCGAACATTTGAACAGCTTAA	TTAAGCTGTTCAAATGTTTCGCGGG
1508	CCGTGTCAGTTGCTCCCTGGCACG	CGTGCCAGGGAGCAACTGACACGG
1509	TCCGTCTCAGCCGCTCCCTATCC	GGATAGGGAGGCGGCTGAGACGGA
1510	ATAGCTGGGTCACCACAGGCGGTC	GACCGCCTGTGGTGACCCAGCTAT
1511	ATAGGCAAGCGGTGTAGCACAGCG	CGCTGTGCTACACCGCTTGCCCTAT
1512	TTAGAAGCCGGTCTGGATTTGCGT	ACGCAAATCCAGACCGGCTTCTAA
1513	TGCCGACCTTACCAGGATCCTCG	CGAGGATCCTGGTAAAGGTCGGCA



1514	GCCACACTATAACCAAGCTGGCA	TGCCAGCTTGTTATAGTGTGGGC
1515	TTGCGCCACTAGTACGGATCTCAA	TTGAGATCCGTAAGTGGCGCAA
1516	CTTGCAAGTTTATGCTGACCCGTCC	GGACGGGTCAGCATAAACTGCAAG
1517	TGCCTCCAAATTACTTACCGCCGT	ACGGCGGTAAGTAATTTGGAGGCA
1518	CCCGTATGCGGAAGCTATGGGCTA	TAGCCCATAGCTTCCGCATACGGG
1519	TCGTTCAACCCACACTTCAGTTG	CAACTGAAGTGTGGGGTTGAACGA
1520	CAATGTGGGGGACATTTCAAGGTT	AACCTTGAAATGTCCCCCACATTG
1521	TAGCGTCGCACAAATGGCTGACCG	CGGTCAGCCATTTGTGCGACGCTA
1522	GGTGGCTTCGTGACAATATCGGCC	GGCCGATATTGTCACGAAGCCACC
1523	CAGCGGCGTCCGAAATTGGCTCTC	GAGAGCCAATTTTCGGACGCCGCTG
1524	GGCTTGCTCTCGTTTTTGATTGCA	TGCAATCAAAAACGAGAGCAAGCC
1525	ATGCGAGGAGGACACGACCGTTCC	GGAACGGTCGTGTCCTCCTCGCAT
1526	CCTGTTCACTACGACCCACGGGAA	TTCCCGTGGGTCGTAGTGAACAGG
1527	GTGCCACGGAGTGCAGCTGTTGCT	AGCAACAGTCGCACTCCGTGGCAC
1528	ACACATCCAAGTCTGACGATGGCC	GGCCATCGTCAGACTTGATGTGT
1529	CAGCCCGAAAGGAAAGCCTCCGTG	CACGGAGGCTTTCTTTTCGGGCTG
1530	AACTGAATGTAGGTGGGCCCCTGT	ACAGGGGCCCACCTACATTCAGTT
1531	ATTTTCGACGATAAGCTGGCCGGT	ACCGGCCAGCTTATCGTCGAAAT
1532	TGAGGGAGAACCCGAAATCTGCTT	AAGCAGATTTTCGGGTTCTCCCTCA
1533	GGCGACTACATCCCAATTGCTTG	CAAGCAATTGGGGATGTAGTCGCC
1534	GCAGACGCGGCCTTCCATACTTTT	AAAAGTATGGAAGGCCGCGTCTGC
1535	ACAACCACATGACGTGTAGCTGCA	TGCAGCTACACGTCATGTGGTTGT
1536	CTGCTGGGCGCGCAAAGCTTGTTG	CAACAAGCTTTGCGCGCCCAGCAG
1537	AAGCCTTCTTTGGCTTGCTCCGCT	AGCGGAGCAAGCCAAAGAAGGCTT
1538	TACCTGCTGCCTGGAGCAAGGCAT	ATGCCTTGCTCCAGGCAGCAGGTA
1539	GACGCCGACGCCATGAGTGAGTGT	ACACTCACTCATGGCTGCGGCGTC
1540	AGTTGGCCGCTTATTTTGCTCACC	GGTGAGCAAAATAAGCGGCCAACT
1541	CCAGGCGCCTTCGACAGATCCTCA	TGAGGATCTGTGCAAGGCGCCTGG
1542	GTGTCCCCTCCAGCTAGCCAGTTT	AAACTGGCTAGCTGGAGGGGACAC
1543	GACAACAAGCCAAGGTGACACGTC	GACGTGTACCTTGCTTGTTGTC
1544	CTACACCGCTCGTGAATCGGCAAA	TTTGCCGAGTCACGAGCGGTGTAG
1545	TGGTGCCATCAAAGCACGTTGTAC	GTACAACGTGCTTTGATGGCACCA
1546	ACAATGCGTGTTGCGAAACGCATA	TATGCGTTTCGCAACACGCATTGT
1547	TTGTCCAGCCATTGTATTTTGCGC	GCGCAAAATACAATGGCTGGACAA
1548	ACGAGAGATAGCGGACTCCTCCGA	TCGGAGGAGTCCGCTATCTCTCGT
1549	AGCTTTGTCGTGACGGCGAGCTCTT	AAGAGCTCGCCTGACGACAAAGCT
1550	GACAGTCGGCGTGACGTTTGTGT	ACAACAAACTGCACGCCGACTGTC
1551	AGCTAGCGACGGCCAACTCACGTA	TACGTGAGTTGGCCGTCGCTAGCT
1552	CTCCTGTTGCGGGGCCGTTACTGGT	ACCAGTAACGGCCCCGAACAGGAG
1553	ACTGACCGACGCAAGTCCACATAG	CTATGTGGCACTGCGTCGGTCAGT
1554	AGGTAGGGTCTGGTTTGACTCGCA	TGCGAGTCAAACCAGACCCTACCT

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1555	CCTCCATTTTAGCGCGTTGCCAAT	ATTGGCAACGCGCTAAAATGGAGG
1556	TTCTTAGGATCCGCGCACTCTTGG	CCAAGAGTGCGCGGATCCTAAGAA
1557	GTCGAAGGTGTCTACCGTGCGCAG	CTGCGCACGGTAGACACCTTCGAC
1558	GTCACTCGGCGGCCCAATCACTCG	CGAGTGATTGGGCCGCCGAGTGAC
1559	TCTCGGTCACCCGTCTTGACCCTT	AAGGGTCAAGACGGGTGACCGAGA
1560	GCCCTCGACGAACTCATCCTGAAC	GTTCAGGATGAGTTCGTGCGAGGGC
1561	TCCGGCGTACTCTGACACGGCGAT	ATCGCCGTGTCAGAGTACGCCGGA
1562	AGCCAAATGCTTTCGTGGTTCGGA	TCCGAACCACGAAAGCATTGCGCT
1563	ACTCCACGCCGCATGTTGCTGTGA	TCACAGCAACATGCGGCGTGGAGT
1564	GCTTCGAGTCGGTGGCATCTGTAT	ATACAGATGCCACCGACTCGAAGC
1565	GGTCTTGGGCCATCGACTTGCTGC	GCAGCAAGTCGATGGCCCAAGACC
1566	GGTATCGGACTGCACTAAGGGCAA	TTGCCCTTAGTGCAGTCCGATACC
1567	AGCCCATGCGTTCGGGATGATTTG	CAAATCATCCGGAACGCATGGGCT
1568	GCCAGGGTTAAAAGTGATGGGCTC	GAGCCCATCACTTTTAACCTGGC
1569	GACGACGTGCTGGCTACGAAGGGG	CCCCTTCGTAGCCAGCACGTGCTC
1570	TCCTATTGACCGTGCATCGTGATC	GATCACGATGCACGGTCAATAGGA
1571	ACCCGCCTCGACTCCACAATAAA	TTTAGTTGTGGAGTCGAGGCGGGT
1572	GATGTGGATCACGACCTGCCAGTA	TACTGGCAGGTCGTGATCCACATC
1573	GTGCCATTGCCACCCATAATGCGT	ACGCATTATGGGTGGCAATGGCAC
1574	TTAGCCTGTGCACCCAGTCAGGAG	CTCCTGACTGGGTGCACAGGCTAA
1575	TCCGATGGGAGAGGCTGATCTCAC	GTGAGATCAGCCTCTCCCATCGGA
1576	CACTACTGAAGTGGCCTGGCGCTG	CAGCGCCAGGCCACTTCAGTAGTG
1577	TGCGGCCATAGCGATGTGATAGAT	ATCTATCACATCGCTATGGCCGCA
1578	GATTGCGCTTAACGGAGATGCACG	CGTGATCTCCGTAAAGCGCAATC
1579	TCACGTTTGACAACGCCAAGCATT	AATGCTTGGCGTTGTCAAACGTGA
1580	GCATTGTTTGCTAAAGGCGGCATT	AATGCCGCCTTTAGCAAACAATGC
1581	AGTCGCTCTACGCGTGCAACGCTG	CAGCGTTGCACGCGTAGAGCGACT
1582	TAGCTCCATGGAGGTCCGAAAGGG	CCCTTTCGGACCTCCATGGAGCTA
1583	GACCGGTTGGACCTCACTGGCTTC	GAAGCCAGTGAGGTCCAACCGGTC
1584	AAGCCGGACAGTCAATGTGCGTAT	ATACGCACATTGACTGTCCGGCTT
1585	TGCCTCGCTGAGTTCTTCACCGTG	CACGGTGAAGAACTCAGCGAGGCA
1586	TCGTAGACCTTGCTTTTGGGCTCA	TGAGCCCAAAAGCAAGGTCTACGA
1587	ACCGCTATGCGCCCTACAAAGCAT	ATGCTTTGTAGGGCGCATAGCGGT
1588	TAGCGTCACCGTAGCTTGGGGCAG	CTGCCCCAAGCTACGGTGACGCTA
1589	CTCTCAGCAACTGATGGCACCGBA	TCCGGTGCCATCAGTTGCTGAGAG
1590	AAAGGAAATGTGGTGCTGGTCGGC	GCCGACCAGCACCACATTTCTTTT
1591	CCGGCTTAGATGGAGAACAAGTGC	GCACTTGTTCTCCATCTAAGCGGG
1592	AAGTAAATCGCCTCGCCCAAACCG	CGGTTTGGGCGAGGCGATTTACTT
1593	TGGGCTGTTACGCCTACCGGACGT	ACGTCCGGTAGGCTGAACAGCCCA
1594	GTTTCGGTTCAGCCATGGGCCTAC	GTAGGCCCATGGCTGAACCGAAAC
1595	GGCCAACATTTCTAGGGGAGTGCC	GGCACTCCCCTAGAAATGTTGGCC

1596	TTCTTCGTTGGGATTGTCCTCACC	GGTGAGGACAATCCCAACGAAGAA
1597	TGCACATTGGGGTACGGATCTGAC	GTCAGATCCGTACCCCAATGTGCA
1598	GGCAGTTAGACGGCAAACCTGCAGG	CCTGCAGTTTGCCGTCTAACTGCC
1599	CGCGTCAGGCTATGAATGGCTCTT	AAGAGCCATTCATAGCCTGACGCG
1600	GCTGAATGCAAACCTCGGAGCCAT	ATGGCTCCGAGGTTTGATTGAGC
1601	CGCTCTGGCGGATTGATTGTTTC	GAAAACAATGAATCCGCCAGAGCG
1602	TTTTCAATCAACCCTCCGGACGTA	TACGTCCGGAGGGTTGATTGAAAA
1603	GTGGTGGAGTCTGAAGCACGACAG	CTGTCGTGCTTCAGACTCCACCAC
1604	AAACAGGTCCGGATGATGTCTGGA	TCCAGACATCATCCGGACCTGTTT
1605	GTACCGCGTGTACGCCACCGTTAG	CTAACGGTGGCGTACACGCGGTAC
1606	TCCAACCTACATTTGCGGAAGGAA	TTCCTTCCGCAAATGTAGGTTGGA
1607	GACGTACCGTCGTCCCGTGAGTTG	CAACTCACGGGACGACGGTACGTC
1608	GGCAATCCTACAACCGACGCTGAT	ATCAGCGTCGGTTGTAGGATTGCC
1609	GGCGGCTGCAGGGTCTACATCGAG	CTCGATGTAGACCCTGCAGCCGCC
1610	ATACTACGCTGCAGCTGCGCGGGC	GCCCCGCGCAGCTGCAGCGTAGTAT
1611	GGATCGCAATCCCTCCGATGACGA	TCGTCATCGGAGGGATTGCGATCC
1612	TGGCCTTGACGCGGAGCCGAATCT	AGATTTCGGCTCCCGTGCAAGGCCA
1613	AGGTGCCGACGAAACGACGAATAT	ATATTGTCGTTTCGTCGGCACCT
1614	GCTGTTTCACCGTCGTCGTTGTTG	CAACAACGACGACGGTGAAACAGC
1615	CGGTCCCAATGTTACAACCCAGAC	GTCTGGGTTGTAACATTGGGACCG
1616	GCAATTCCAGCCACTTTTGACCAA	TTGGTCAAAAGTGGCTGGAATTGC
1617	ACGGGCGAAAGCTCGGTACGGATA	TATCCGTACCGAGCTTTCGCCCGT
1618	CGACCCGACTTTTGCTTTGAGTG	CACTCGAAAGCAAAAGTCGGGTCG
1619	AATTCAGTGTTCGCTCATGGTCG	CGACCATGACGCAAACTGAATT
1620	CCTGTATGAGGTTCTGGGTGCGCT	AGCCGACCCAGAACCTCATACAGG
1621	TGGCATACTTGGTGCAAACGCCGT	ACGGCGTTTGACCAAGTATGCCA
1622	TCGCCAGTACAGAAACATGCGGGC	GCCCCGATGTTTCTGTACTGGCGA
1623	CCCGCTGTTGCTCTCATCGTGAG	CTCCACGATGAGAGCAACAGCGGG
1624	GCCACAATCTGACCCTGGGAATCA	TGATTCCCAGGGTCAGATTGTGGC
1625	GCTCAGTCTCGGAAGTTTCGGCTA	TAGCCGAAACTTCCGAGACTGAGC
1626	CTTCACGGGCCAACGACGGTCGAG	CTCGACCGTCGTTGGCCCGTGAAG
1627	CGACAGTTCGGTCCGTCTTGAGGA	TCCTCAAGACGGACGGAAGTGTG
1628	ACGGAGACGCGAGTCGAAACGTCCC	GGGACGTTTCGACTGCGTCTCCGT
1629	CATGCATCCGATTAAGGGGATCAC	GTGATCCCCTTAATCGGATGCATG
1630	ATTGCGGGAGTCCCTAGCTTTCTG	CAGAAAGCTAGGGACTCCCGCAAT
1631	GTGTGGAAGATGCAATTGGAACGG	CCGTTCCAATTGCATCTTCCACAC
1632	ATACAACGGTAGGTGACAGGGGCG	CGCCCCGTGCACCTACCGTTGTAT
1633	GCCGTGGGAGTAAGGGTACAAAGG	CCTTTGTACCCTTACTCCCACGGC
1634	GCACGTAGGTGCGCTACTACTCGG	CCGAGTAGTAGCCGACCTACGTGC
1635	ACTGTGATCTCTTGGGCAAAGGGC	GCCCTTTGCCCAAGAGATCACAGT
1636	CATGCCTGAACAATCTCGCATCCC	GGGATGCGAGATTGTTGAGGCATG

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1637	GAGCCTGGCTCCACAGCTGTGCTC	GAGCACAGCTGTGGAGCCAGGCTC
1638	CTTTCGATACCATCGTTGGCGATC	GATCGCCAACGATGGTATCGAAAG
1639	CCCGGAGGTGAGGCATTGAATATG	CATATTCAATGCCTCACCTCCGGG
1640	CTCATTAGCTAAAAGCGGCTGGA	TCCAGCCGCTTTTAGCTGAATGAG
1641	GAAATGCCCTGGGGACTTTTTGCC	GGCAAAAAGTCCCCAGGGCATTTC
1642	TTTGCCCTTCACAACAGACGCAGCA	TGCTGCGTCTGTTGTGAAGGCAAA
1643	AAATCCCAAGACGTCGGGGCGTAT	ATACGCCCCGACGTCTTGGGATTT
1644	CAACGGGCGGTAGCTAAACCGTAA	TTACGGTTTAGCTACCGCCCGTTG
1645	GGCCAACGACAATGCGAAACCTTC	GAAGGTTTCGCATTGTCGTTGGCC
1646	GACATCACGCAAAATCTCAGCGCA	TGCGCTGAGATTTTGCCTGATGTC
1647	ACGTTCCGTCCACAACCGTATGTT	AACATACGGTTGTGGACGGAACGT
1648	GCTCATAGGTCTTCCGTAGCCCGT	ACGGGCTACGGAAGACCTATGAGC
1649	GAAACGAGTCTCTCGCGCCCTAGA	TCTAGGGCGCGAGAGACTCGTTTC
1650	CGGGACAGAAGCAAGTTACATCGG	CCGATGTAACCTTGCTTCTGTCCCG
1651	TGACCGCTCGATACCAGGAGGGTG	CACCCTCCTGGTATCGAGCGGTCA
1652	CTGGCAATAAAGACCTTCCGACCA	TGGTCGGAAGGTCTTTATTGCCAG
1653	TGCGCGACGTCATGTTGGTGATTA	TAATCACCAACATGACGTCGCGCA
1654	GTTGGTTGTGGGAACACACCCGCT	AGCGGGTGTGTTCCCAACAAC
1655	TGTGGGTTTCGGAACACAGGAAGT	ACTTCCTGTGTTTCCGAACCCACA
1656	GGAAAAACGGCAATTAGCCGAGT	ACTCGGCTAATTGCCGTTTTTCC
1657	TGGTGCGGAGTGCCCTCTATTGGG	CCCAATAGAGGGCACTCCGCACCA
1658	AACCAACAGGCTGCAGCCAGACT	AGTCTGGGCTGCAGCCTGTTGGTT
1659	AAACAGATCCATCTGCACGCCAGG	CCTGGCGTGCAGATGGATCTGTTT
1660	GGAATACCGCGGCGATTATGGCTT	AAGCCATAATCGCCGCGGTATTCC
1661	TACTGTTTCGCGGCAAACCGTCACT	AGTGACGGTTTGCCGCGAACAGTA
1662	GATCTCTCGTGGAGCACGTTTTCC	GGAAAACGTGCTCCACGAGAGATC
1663	GGCATAGCAAACCTTGACCTCCAA	TTGGAGGTCAAGGTTTGCTATGCC
1664	ATCTGGGATTTCGCGAGCCAATATC	GATATTGGCTCGCGAATCCCAGAT
1665	CGATCAGGATATCATTTACGCCCG	CGGGCGTAAATGATATCCTGATCG
1666	ACGGTACCGAAACGGTCTCAGCGT	ACGCTGAGACCGTTTCGGTACCGT
1667	CTCCCATACCTGCGTTCTTACCGA	TCGGTAAGAACGCAGGTATGGGAG
1668	GCACGAGAACCTAATTGTGCGACA	TGTGCGACAATTAGGTTCTCGTG
1669	GCCACACGATCAAGACAGCGCATG	CATGCGCTGTCTTGATCGTGTGGC
1670	CCCGTTAACTCACGAGCGGTCAAT	ATTGACCGCTCGTGAGTTAACGGG
1671	AGAGAAGGTCATTGCCTGTGCGTG	CACCGACAGGCAATGACCTTCTCT
1672	CGGGCCCTCTTAAAGTAGAGCAGG	CCTGCTCTACTTTAAGAGGGCCCG
1673	ACATCGCGTCCGAGGGAGTTAGCG	CGCTAACTCCCTCGGACGCGATGT
1674	AATGCCTAATCGAGCCAGCGGATC	GATCCGCTGGCTCGATTAGGCATT
1675	CTCGATCTTTTTAAACCGGCGCTT	AAGCGCCGGTTTAAAAAGATCGAG
1676	CGTTCCTGGAAGGCAGGGTCTCAC	GTGAGACCCTGCCTTCAGGAACG
1677	CCTGTGCTTACTATCGGCGATCCA	TGGATCGCCGATAGTAAGCACAGG

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1678	GTTAGTCGCCCTATTGGCCTGGTT	AACCAGGCCAATAGGGCGACTAAC
1679	CCGGTGAGATGACTGTAAATGCCA	TGGCATTACAGTCATCTCACCGG
1680	CGTGGTTTAAAACATCGCGCTTCG	CGAAGCGCGATGTTTTAAACCACG
1681	TAAGACGCAGAAGATGGGGTCCAC	GTGGACCCCATCTTCTGCGTCTTA
1682	CACCACAGCTTCTTTGTTTCGACCC	GGGTCTGAACAAAGAAGCTGTGGTG
1683	TCGGGTCCGTACCACCACTTTTGC	GCAAAAGTGGTGGTACGGACCCGA
1684	CCAAGCCCCGAGTACCGAAGATTT	AAATCTTCGGTACTCGGGGCTTGG
1685	TCCGTGATATGGTCGTGGCGCGGT	ACCGCGCCACGACCATATCACGGA
1686	TGTCTGTGTCATGGCACCTCGCAT	ATGCGAGGTGCCATGACACAGACA
1687	AGGACTGCACTGTGCACGTCTGAT	ATCAGACGTGCACAGTGCAGTCCCT
1688	CCATCCTCATGTACAGCGCCGCTG	CAGCGGCGCTGTACATGAGGATGG
1689	GTACCCGCGCCTTCCTCGACACAG	CTGTGTCTGAGGAAGGCGCGGGTAC
1690	ACGGGTCTGGTCGACTAAGGCTT	AAGCCTTAGTCGACCAGGACCCGT
1691	CGTATCGAAGGCGTGTACAACCGG	CCGGTTGTACACGCTTCGATACG
1692	TGCCCGCCCTTTATGCAACGCTCA	TGAGCGTTGCATAAAGGGCGGGCA
1693	AAACTTACGAGACGGCGGCTGCCA	TGGCAGCCGCGCTCTCGTAAGTTT
1694	AAGTCTGACAAACGGAACGGGTGT	ACACCCGTTCCGTTTGTGCACTT
1695	TAAGCGCAGACCAAAGTATGCGGC	GCCGCATACTTTGGTCTGCGCTTA
1696	GCAGTTTTTCAGATCCTCCGCAA	TTTGCGGAGGATCTGAAAACTGC
1697	TCGGAAGCATTTACGCGATCTCAG	CTGAGATCGCGTAAATGCTTCCGA
1698	CACAGAAACGGTTGAACGAACGCC	GGCGTTCTGTTCAACCGTTTCTGTG
1699	GCATGCTCAGATGGTCGTGCTCAC	GTGAGCACGACCATCTGAGCATGC
1700	AAGGATTCTCGCTTCCGGCATGAT	ATCATGCCGGAAGCGAGAATCCTT
1701	GGTGGGGTAGCGCTGGTATGAAAA	TTTTCATACCAGCGCTACCCACC
1702	ATTATTACGGGACCGAACCAACGG	CCGTTGGTTCGGTCCCCTAATAAT
1703	GCGCGAGTGTGATGATGTTACGT	ACGTGAACATCATGACACTCGCGC
1704	GACATTCGTGACTTGGTCGTCCGC	GCGGACGACCAAGTCACGAATGTC
1705	TCATTAGTGCAGGCACCGATCAAG	CTTGATCGGTGCCTGCACTAATGA
1706	GAGTTGTGCGGAGTCATCGGAGTC	GACTCCGATGACTCCGCACAACCTC
1707	GCCTTTACAGATTTGGCGGGCTAT	ATAGCCCGCCAAATCTGTAAAGGC
1708	ATGGCGTTTGCGAAGTCGATACAG	CTGTATCGACTTCGCAAACGCCAT
1709	TGCATCGGCCTCAATCAGAGAACT	AGTTCTCTGATTGAGGCCGATGCA
1710	ACAATCATGGCAATCTGGCAAATG	CATTTGCCAGATTGCCATGATTGT
1711	GACGTGGAAGAGTGCAGATCAGCA	TGCTGATCTGCACTCTTCCACGTC
1712	AGGGCAGGGGACGGACAGTAAGTC	GACTTACTGTCCGTCCCCTGCCCT
1713	GCATAGGGCGAATCTAGTACGGGC	GCCCGTACTAGATTGCCCCTATGC
1714	TCCGGCGCATCCTCATTAGCAACT	AGTTGCTAATGAGGATGCGCCGGA
1715	TGGCCGCTTCCACTAATATTGGAC	GTCCAATATTAGTGGAAGCGGCCA
1716	CCGGCGGACGGCTCTTGTCATGA	TCATTGACAAGAGCCGTCCGCCGG
1717	CGAGCAACCCAAAAGGAAGCAGTA	TACTGCTTCCTTTTGGGTTGCTCG
1718	GCGTATGATTGCGCAATCCGCCAG	CTGGCGGATTGCCGAATCATACGC

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1719	AGTACCGCTACAACGCTGGTTCGC	GCGAACCAGCGTTGTAGCGGTACT
1720	GGGCAGGCCAGGTCCACCTGAGAA	TTCTCAGGTGGACCTGGCCTGCCC
1721	CCACTTCTGTGACCGAACCGTGCT	AGCACGGTTCGGTCACAGAAGTGG
1722	CCTGGTACCAGGCAGCAGTTGATT	AATCAACTGCTGCCTGGTACCAGG
1723	TTAGGGTACCGTCGAGAGACGCCA	TGGCGTCTCTCGACGGTACCCTAA
1724	GGTTGCTTGTGCGCGTGAGGTAGT	ACTACCTCACGCGCACAAGCAACC
1725	TGCTTCGACCGATGAAACTCGAAG	CTTCGAGTTTCATCGGTCTGAAGCA
1726	TGCCACCCATACTATGCCCAGTGG	CCACTGGGCATAGTATGGGTGGCA
1727	TGTGCGGCAACGCGTGAAGACGTT	AACGTCTTCACGCGTTGCCGCACA
1728	TGAGAGAAGCTGGCCTCGGATCAG	CTGATCCGAGGCCAGCTTCTCTCA
1729	TATTGCGAATTCGAGTACGTGCCC	GGGCACGTA
1730	CGAGAGGGGTTC	TCGATCACTGGGGAACCCCTCTCG
1731	TGCCTGGGGTGTCGTTCTAATTCT	AGAATTAGAACGACACCCCAAGGCA
1732	GTGCGTCATTGTGGGTCATCCCAA	TTGGGATGACCCACAATGACGCAC
1733	AGGGCTCCCAGCATACCAACGTTG	CAACGTTGGTATGCTGGGAGCCCT
1734	AACTAGCCGCACCTTTGTGCAGAG	CTCTGCACAAAGGTGCGGCTAGTT
1735	TTAGCCCAGCCCTTCAATGGGAAC	GTTCCCATTAAGGGCTGGGCTAA
1736	CGGCCTCGGTTGTACGGGTAGTCT	AGACTACCCGTACAACCGAGGCCG
1737	TCTTTGAGGCGCGGACCCGCATAT	ATATGCGGGTCCGCGCCTCAAAGA
1738	GATGGTTTCGCCCTTGTGTGCGCAGC	GCTGCGACACAAGGGCGAACCATC
1739	GAGATTCAATACAGGCCGCGGGTC	GACCCGCGGCCTGTATTGAATCTC
1740	AGGGCGAAGGAAGGTTCCGTTTTT	AAAAACGGAACCTTCCTTCGCCCT
1741	CTCGACCCCTGCCACTACTGGTTC	GAACCAGTAGTGGCAGGGGTCGAG
1742	TGTTCCGCGGTCTACGCATTACTG	CAGTAATGCGTAGACCGCGGAACA
1743	GAGACGACGTCCTACACCCGCTAA	TTAGCGGGTGTAGGACGTCGTCTC
1744	AGATTGCGACAGCGACACGTGATT	AATCACGTGTCGCTGTCGCAATCT
1745	GATACCGTTGGGCATTTCTCGGTA	TACCGAGAAATGCCAACGGTATC
1746	GATTGGGAGGCATTCAGCGACGGA	TCCGTCGCTGAATGCCTCCCAATC
1747	AGGAGGAAACGAGGGCGTAGGTTT	GAACCTACGCCCTCGTTTCCTCCT
1748	GCCAAACAACGTCTGACGCCTAGC	GCTAGGCGTCAGACGTTGTTTGGC
1749	TTTAATGCGGAAAGGATGCACGCG	CGCGTGATCCTTTCCGCATTAAA
1750	TTATCGGCCGTTAAAATGGGATGG	CCATCCCATTTTAACGGCCGATAA
1751	CCTTGGAATTCGTTTCATCGCTAGCA	TGCTAGCGATGAACGAATCCAAGG
1752	AAGTGAACGTGCAGTGGTCTTCGA	TCGAAGACCACTGCACGTTCACTT
1753	TCCTTACCCCTCGTTCAAACGCCT	AGGCGTTTGAACGAGGGGTAAGGA
1754	ATTCCTGAACCATGCATGGCCTGT	ACAGGCCATGCATGGTTCAGGAAT
1755	AGCGAGACGCTCGATCACGA	TAGTTCGTGATCGAGCGTCTCGCT
1756	GCTGGTCTGGCTCGCTGTTTAGAA	TTCTAAACAGCGAGCCAGACCAGC
1757	CGTGCGCGGCATAAAGATAGGTCT	AGACCTATCTTTATGCCGCGCACG
1758	TCTGGCACTCACATCGGACAGTCT	AGACTGTCCGATGTGAGTGCCAGA
1759	ACCATTGGAGGACCACAGAGCTCC	GGAGCTCTGTGGTCTCCAATGGT

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1760	TCCAGGGTCGGAGTACATGGCGGG	CCCGCCATGTACTCCGACCCTGGA
1761	ATATGCCGTCGGATCGTACACGCA	TGCGTGTACGATCCGACGGCATAT
1762	TGCTGGCGTCAACACTTCCCGATT	AATCGGGAAGTGTTGACGCCAGCA
1763	CAGGGCGGTGCGGTGAACTAGCCA	TGGCTAGTTCACCGCACCGCCCTG
1764	CATGGACTGCCGTACATCAGCTGG	CCAGCTGATGTACGGCAGTCCATG
1765	CCGGCCATACGCTGGCAAGATTAC	GTAATCTTGCCAGCGTATGGCCGG
1766	AGCGGACACCTGTACTCTCCTCCA	TGGAGGAGAGTACAGGTGTCCGCT
1767	GGAGCCACACCAGTCGAAGATGGT	ACCATCTTCGACTGGTGTGGCTCC
1768	CGCCACCGGAAATTGAAAAGACTG	CAGTCTTTTCAATTTCCGGTGGCG
1769	TGAAACGGATGTTGCTTCTTGACG	CGTCAAGAAGCAACATCCGTTTCA
1770	TTGAAGCGGTGAAGAGCCTGTCT	AGGACAGGCTCTTCACCGCTTCAA
1771	CGAACCAAGCTGCATTGTCAGTGG	CCACTGACAATGCAGCTTGGTTCG
1772	GAGTCTGCGCTTGCAATCTTTGCG	CGCAAAGATTGCAAGCGCAGACTC
1773	GCTGGGTATAGTTGCCTGGCAATG	CATTGCCAGGCAACTATACCCAGC
1774	GCAGGCGTTCCATATTCGCAACCC	GGGTTGCGAATATGGAACGCCTGC
1775	GCGCCAATAACCTCCACCGCG	CGCGGTGGAGGTATTAGTTGGCGC
1776	TGGCGTTCAGTGCAACGCTGGTTA	TAACCAGCGTTGCACTGAACGCCA
1777	CAAACTGACGGGTATGGGAGCGC	GCGCTCCCATACCCGTCAGTTTGT
1778	AGGTGTCGCTGGAACCCGACTTGT	ACAAGTCGGGTTCAGCGACACCT
1779	CTTCCAAAAGCGCAATTGGCTTTG	CAAAGCCAATTGCGCTTTTGAAG
1780	TCGGGCTTCTCGCAATTCTGTGAG	CTGACAGAATTGCGAGAAGCCCGA
1781	GCCAAAAGAATGCGCTGGGTAGGT	ACCTACCCAGCGCATTCTTTGGC
1782	TGGTGCCCGCACCGAGAGACTGTA	TACAGTCTCTCGGTGCGGGCACCA
1783	CGAGGCCGTAGTGGGGACTGCTCT	AGAGCAGTCCCCACTACGGCCTCG
1784	CGATCTGCGCATAGAGGGGACTTT	AAAGTCCCCTCTATGCGCAGATCG
1785	TGTGCAATCGGCCTTCTCAGAGCC	GGCTCTGAGAAGGCCGATTGCACA
1786	GATCACCTGGACCGCTACCGTTTT	AAAACGGTAGCGGTCCAGGTGATC
1787	ATGGGGAGTTAAGGACCCTGCACC	GGTGCAGGGTCCTTAACCTCCCAT
1788	CATTGTGGACAGCCAATGGTGGCT	AGCCACCATTGGCTGTCCACAATG
1789	CCATCACCATGCCACGGTAAGATC	GATCTTACCGTGGCATGGTGATGG
1790	GCACCCGTGTCGTTGGTTAGCAAG	CTTGCTAACCAACGACACGGGTGC
1791	GGAGTGGGTTCCGCGAATTCAGTG	CAGTGAATTCGCGGAACCCACTCC
1792	GGGGATTTCTTTTCGAGGCTCGA	TCGAGCCTGCGAAAGGAAATCCCC
1793	CATTGATCATGTGCACTTGACCA	TGGTGCAAGTGACATGATCAATG
1794	AGCAGCGCTGCGCTTGTTTCGGAT	ATCCGAAACAAGCGCAGCGCTGCT
1795	CGAGTAACGCGGTTGCTTTGCGAA	TTCGCAAAGCAACCGCGTTACTCG
1796	TGGCCTGGAACATAGGTGGAAGTC	GAGTTCACCTATGTTCCAGGCCA
1797	CGCACACCAAGCGTTTATTGAGAA	TTCTCAATAAACGCTTGGTGTGCG
1798	TCACCTTCACAGTGGGCATACAGC	GCTGTATGCCCACTGTGAAGGTGA
1799	CAAATATCCCTGAGCCCTCGAGCT	AGCTCGAGGGCTCAGGGATATTTG
1800	GGGAGCTGGTGAGCAGATGTAACG	CGTTACATCTGCTCACCAGCTCCC



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1801	AGGATTGCTTTTGC GTTATGCGGA	TCCGCATAACGCAAAGCAATCCT
1802	ATCGTTTGGGCGCTACGCAATTGT	ACAATTGCGTAGCGCCCAAACGAT
1803	CCGATTTGTCCCAAATGCAACGTT	AACGTTGCATTTGGGACAAATCGG
1804	AAGGGTCAAGCTCATGGAGCGGAA	TTCCGCTCCATGAGCTTGACCCTT
1805	TCTGACGTCGTTCAAGGGCTCGCT	AGCGAGCCCTTGAACGACGTCAGA
1806	CGCACCCTCCGAGGTATTTGTCT	AGACAAATACCTCGGAGTGGTGCG
1807	AAGGGGTGAAAAAGGAGAAGCCGA	TCGGCTTCTCCTTTTTTCACCCCTT
1808	AAACCACGCAAATGGCGATACCAT	ATGGTATCGCCATTTGCGTGTTTT
1809	CAGAAGGGATGACGCCTTAAGTCG	CGACTTAAGGCGTCATCCCTTCTG
1810	CATGACGAGAGCGGACCTGAAGTG	CACTTCAGGTCCGCTCTCGTCATG
1811	CTGGACATGTTTGTTCGCCACTG	CAGTGCGGAAACAAACATGTCCAG
1812	AAGACCGACTCTCGTCGTTTGCAC	GTGCAAACGACGAGAGTCGGTCTT
1813	GCGCGATTACATACCGTTTCCGTA	TACGGAACGGTATGTAATCGCGC
1814	CACTGACCGGACCCAACCTAACAT	ATGTTAGGTTGGGTCCGGTCAGTG
1815	AGTGCAAGTCTAGACACGCCCGAG	CTCGGGCGTGTCTAGACTTGCACT
1816	GGTTGGTGCGAGATCCTGGACTGT	ACAGTCCAGGATCTCGCACCAACC
1817	GGTCGTCCCGAAACGTAAACGAGG	CCTCGTTTACGTTTCGGGACGACC
1818	GACTAGTACGATCACGGGGCGGGT	ACCCGCCCGTGATCGTACTAGTC
1819	CCGACCTGACCCTGTGTACAGGTT	AACCTGTACACAGGGTCAGGTCGG
1820	TGCTCACTGCCACACTGTTATGG	CCATAACAGTGTGGGCAGTGAGCA
1821	CGAGGAAACACATTTCTTCGGGCC	GGCCCGAAGAAATGTGTTTCCTCG
1822	TGGCACCGGGTGGATTCTTGTCTA	TAGACAAGAATCCACCCGGTGCCA
1823	GAGGCACGGTGATAGTGGTTGTGC	GCACAACCACTATCACCGTGCCTC
1824	ATGCAGATGGATCTTTTCGACGC	GCGTCGAAAAAGATCCATCTGCAT
1825	TGCGATAGCCAAAGAGTCGAGGAC	GTCCTCGACTCTTTGGCTATCGCA
1826	ATGGCGTGTGAGCGAACTGCCTGG	CCAGGCAGTTCGCTGACACGCCAT
1827	CAATGCAGCTCGGAAGTCAGGTCG	CGACCTGACTTCCGAGCTGCATTG
1828	AGGATCAGTGACATGTCCCCTCA	TGAGGGGACATGTGCACTGATCCT
1829	CACATCTTGGCTGTACCCGAGAA	TTCTCGGGTGACAGCCAAGATGTG
1830	CGCATTATCACCTCAATGCCAGTG	CACTGGCATTGAGGTGATAATGCG
1831	ACATCCGCAGACTCCCTATAGCCC	GGGCTATAGGGAGTCTGCGGATGT
1832	GTGAACCCGAACGAGGGGAGTCTC	GAGACTCCCCTCGTTCGGGTTTAC
1833	GCGTAGGGAATTTGCCTCACGACT	AGTCGTGAGGCAAATTCCTACGC
1834	TTTACGCGTCGCTCGGTTGTAGTG	CACTACAACCGAGCGACGCGTAAA
1835	GAGAGGCGTCTAGGCGGTTCTAGC	GCTAGAACCGCCTAGACGCCTCTC
1836	GCATGCTGATAACGAATGCTTCCC	GGGAAGCATTGTTATCAGCATGC
1837	CTGAAGCTCGTGTGCGATGAGGGA	TCCCTCATCGCACACGAGCTTCAG
1838	ACAACGGCATGAGGAGGCTTTTTTC	GAAAAAGCCTCCTCATGCCGTTGT
1839	TTTGGAGACGCCAGTACGCGTGGT	ACCACGCGTACTGGCGTCTCCAAA
1840	GCTATCATTTGGTGTAAAGCCCGCC	GGCGGGCTTACACCAAATGATAGC
1841	TCAACATCCAGGGCGGTGCTTGGT	ACCAAGCACCGCCCTGGATGTTGA



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1842	TTCGATGTAATCCCCAAAGATGCC	GGCATCTTTGGGGATTACATCGAA
1843	GGACCTTCGGCAGGTTATCGCCGT	ACGGCGATAACCTGCCGAAGGTCC
1844	AGTAAGAAGAGGCAGGCCCCACCT	AGGTGGGGCCTGCCTCTTCTTACT
1845	AACGGCTCCCCGTCGTA CTGCTTA	TAAGCAGTACGACGGGGAGCCGTT
1846	CCTATACCGTCGTGGTTCCACGTT	AACGTGGAACCACGACGGTATAGG
1847	CCGCGCAGGCGCTAATACTCAAGG	CCTTGAGTATTAGCGCCTGCGCGG
1848	AAATGGGCCAGTGAAATCCTTGGT	ACCAAGGATTTCACTGGCCCATT
1849	ACGGTTTCGAATACTGCTGGGCAG	CTGCCCAGCAGTATTGAAACCGT
1850	CCGCTTGAGGTT CAGGTCAGAGCT	AGCTCTGACCTGAACCTCAAGCGG
1851	ATCGTGCCCGAAGACACTTAAACG	CGTTTAAGTGTCTTCGGGCACGAT
1852	ACCTGAACCAGGGCGATTGCTTTA	TAAAGCAATCGCCCTGGTTCAGGT
1853	ACCCTATACGCTGGGCTAAGCGGG	CCCGCTTAGCCAGCGTATAGGGT
1854	TGTTTCGCGACTAGAAAGCCTTTCG	GCAAAGGCTTCTAGTCGCGAAACA
1855	GAAGTTGGCGGCTCACCCGTATTA	TAATACGGGTGAGCCGCCAACTTC
1856	TGGCTACACCGCTTAGGAGGAACC	GGTTCCTCCTAAGCGGTGTAGCCA
1857	CCACAGTTGCGTGACTTACATCGC	GCGATGTAAGTCACGCAACTGTGG
1858	ACTGCCACTGCGTCTGAAGAGTGG	CCACTCTTCAGACGCAGTGGCAGT
1859	GCGCCAGCAAATTTCTGTGTGGTGT	ACACCACACGAAATTTGCTGGCGC
1860	TGCCTCCGTCGAGCCGAATAGCCA	TGGCTATTGGCTCGACGGAGGCA
1861	GTACAAACGGGCGCTATTTCTGTCC	GGACGAAATAGCGCCCGTTTGTAC
1862	GCTTCCCTGGCTCTGAACGGAAAC	GTTTCCGTT CAGAGCCAGGGAAGC
1863	CGGCTACCCAGGCAGATAAGCTGA	TCAGCTTATCTGCCTGGGTAGCCG
1864	GGTTGGACCCGACAGGGAATTTCC	GGAAATTCCTGTCTGGGTCCAACC
1865	GGGGAATACCCGGCGTTTGTAAATA	TATTACAAACGCCGGGTATTCCCC
1866	TGGTTCGGTGAGGTTATGTTCCGT	ACCGAACATAACCTCACCGAACCA
1867	TCGGTAGGGTTCAGTCGCTGAGGA	TCCTCAGCGACTGAACCCTACCGA
1868	TTCGGAGTGTGCCGGTGCTAGTAC	GTACTAGCACCGGCACACTCCGAA
1869	TCGTA CTGGAATGATGGCCGGGCC	GGCCCGGCCATCATTCCAGTACGA
1870	TCCGTCGACCGTCCAGCGAAGTTT	AAACTTCGCTGGACGGTCGACGGA
1871	AGGGAATATAACAACACCGCGCAC	GTGCGCGGTGTTGTTATATTCCCT
1872	ATGTCCCGGAAACCAGCTACCTCA	TGAGGTAGCTGGTTTCCGGGACAT
1873	ACCAGCGACTTAGATAGCCGTCCG	CGGACGGCTATCTAAGTCGCTGGT
1874	GGAAAACCTCCTTTGCGTCAACCA	TGGTTGACGCAAAGGAGGTTTCC
1875	ACGTGCGTGCATACCCAAGAGGAC	GTCCTCTTGGGTATGCACGCACGT
1876	ACGCCACTTTCCCTAGAACCAACG	CGTTGGTTCTAGGGAAAGTGGCGT
1877	CGAAGTACGCAATAGTGCCACCCT	AGGGTGGCACTATTGCGTACTTCG
1878	GATCCCGGCGGATCACCTATCAAT	ATTGATAGGTGATCCGCCGGGATC
1879	AGAAAGCGACCGTTTCAGGCTAGC	GCTAGCCTGAAACGGTCGCTTTCT
1880	CGCTCCCTTTCATAGTCCTCTCCG	CGGAGAGGACTATGAAAGGGAGCG
1881	GTGGGTGGTCATAACGACAGCAGA	TCTGCTGTGTTATGACCACCCAC
1882	CTGGAGGCTGCATCGTTCGTAACA	TGTTACGAACGATGCAGCCTCCAG

1883	CACCATGAGTTTCGGAGCGAGGAT	ATCCTCGCTCCGAAACTCATGGTG
1884	CAAGCTGCGTTCGATGAGAGATTG	CAATCTCTCATCGAACGCAGCTTG
1885	CCTGGGAGCAATGACCGCTCTGGT	ACCAGAGCGGTCATTGCTCCCAGG
1886	TCCGGCGCTCTACCAAGATGAGAC	GTCTCATCTTGGTAGAGCGCCGGA
1887	CGACCGCGTCGCGTATACTATCCG	CGGATAGTATACGCGACGCGGTG
1888	AACATTCGCTAGTGGGGTCCAACA	TGTTGGACCCCACTAGCGAATGTT
1889	TGTATGATCATCCGACCGAGCAGC	GCTGCTCGGTCGGATGATCATACA
1890	AGTGCGCCGAGAGGGTGAATAGAC	GTCTATTCACCCTCTCGGCGCACT
1891	AGGCTTGTTCTGGACCAGCACCAT	ATGGTGCTGGTCCAGAACAAGCCT
1892	GGGGCCACATAAAGAATTCCGAAC	GTTCCGAATTCTTTATGTGGCCCC
1893	TGGTGAAGATAAATCCGCATGGCA	TGCCATGCGGATTTATCTTCACCA
1894	ATTTCCACCACGCTCTTGCCAAAT	ATTTGGCAAGAGCGTGGTGAAAT
1895	CGCGTAAAGCTGTCACCGATGACC	GGTCATCGGTGACAGCTTTACGCG
1896	TCCCCAACCGGTAACAACAGCGAC	GTCGCTGTTGTTACCGGTTGGGGA
1897	CCTCTGCTCGCCTTACACCCATGG	CCATGGGTGTAAGGCGAGCAGAGG
1898	CAAGCTGCTCCTGTGCTGAAGGGC	GCCCTTCAGCACAGGAGCAGCTTG
1899	AAACGAACGATGGTCGGTAGACCG	CGGTCTACCGACCATCGTTCGTTT
1900	TCAGTTCGATGGCTATTGCGCCTC	GAGGCGCAATAGCCATCGAACTGA
1901	GGCTCTCAACGGACGCAAATCATA	TATGATTTGCGTCCGTTGAGAGCC
1902	AGTAGAGTGTTGCGGCTGCCGATC	GATCGGCAGCCGCAACACTCTACT
1903	AGACACTAGACCGCCGTGACCTGA	TCAGGTCACGGCGGTCTAGTGTCT
1904	ACCGAGCACCGAATTTCTTGTC	GGACAAGGAAATTCGGTGCTCGGT
1905	CCGTGGCCAAGATACGAACGAATT	AATTCGTTTCGTATCTTGCCACGG
1906	CCTCCTACAGCATCCACATGAGGG	CCCTCATGTGGATGCTGTAGGAGG
1907	CACTCGGCAAATACGTATGCGCAT	ATGCGCATACGTATTTGCCGAGTG
1908	ACCGAGTTGAAGCACGAATTTGGG	CCCAAATTCGTGCTTCAACTCGGT
1909	GACCACCTCGGAAGATCGTTCTGC	GCAGAACGATCTTCCGAGGTGGTC
1910	TCAACTGGGCAAACGAAGAGCACA	TGTGCTCTTCGTTTGCCAGTTGA
1911	GCTTAGCCTCACACGTGCATACCA	TGGTATGCACGTGTGAGGCTAAGC
1912	CTGCGGTCTCCAAGTACCATTTG	CGAAATGGTACTTGAGACCGCAG
1913	GTTCCGTATTACGGCGGCCATAAG	CTTATGGCCGCCGTAATACGGAAC
1914	ATCGACGCAACCGGATAGTCTCTG	CAGAGACTATCCGGTTGCGTCGAT
1915	CGCAGATAAACCGGCATCTTTCAG	CTGAAAGATGCCGGTTTATCTGCG
1916	ACCTGCCAATACGGGTCTACGGTT	AACCGTAGACCCGTATTGGCAGGT
1917	ACACCTGTTGCCATGCTGATCCGT	ACGGATCAGCATGGCAACAGGTGT
1918	AAACTGTCTACTGCGCAATTCCGC	GCGGAATTGCGCAGTAGACAGTTT
1919	GCAACTAGCCCGTGCTAGGATCGT	ACGATCCTAGCACGGGCTAGTTGC
1920	TCGTAGTGGTGGATTGTTGTGCGT	ACGCACAACAATCCACCACTACGA
1921	GGCTTACTCCTCAATTGCGACACG	CGTGTCGCAATTGAGGAGTAAGCC
1922	CACGACTCCCTGCCAGATTTGATT	AATCAAATCTGGCAGGGAGTCGTG
1923	CTTAGACGTCGGCAATGTCACGTC	GACGTGACATTGCCGACGTCTAAG

1924	CTCAGAGCACAAATCTGCCCTGCCT	AGGCAGGGCAGATTGTGCTCTGAG
1925	GCTAGGAAAGTCGGCATTTCATGGG	CCCATGAATGCCGACTTTCTAGC
1926	AAAGCCCCAAAATTCCGCCTAACC	GGTTAGGCGGAATTTGGGGCTTT
1927	GCGCAACGCTAAGGGACTATCAAG	CTTGATAGTCCCTTAGCGTTGCGC
1928	CGTCCGCTGGGATGAGTCTCCTGC	GCAGGAGACTCATCCCAGCGGACG
1929	ACAGGCCTCGTGATTGGTGTGGGT	ACCCACACCAATCACGAGGCCTGT
1930	CATTCTCCTTCCGGGACCACGCCT	AGGCGTGGTCCCGGAAGGAGAATG
1931	TCGGAGTTGACCAAGCTCAGTGCG	CGCACTGAGCTTGGTCAACTCCGA
1932	ACGCGCCACTGCAATTGCAAACAC	GTGTTTGCAATTGCAGTGGCGCGT
1933	AGTTCATGGAGCCGGCGTATTGTT	AACAATACGCCGGCTCCATGAACT
1934	ACGTTTAATGCGGGGCCCGCCTAC	GTAGGCGGGCCCCGCATTAAACGT
1935	TGAGGCTTTAGCCTACGCGCAGGT	ACCTGCGCGTAGGCTAAAGCCTCA
1936	CAGCGTTATGAGCGCGGAGTTTAT	ATAAACTCCGCGCTCATAACGCTG
1937	GTCCACGTGACCACGGATAGTTGG	CCAACTATCCGTGGTCACGTGGAC
1938	GATTATGCTCCTACGCCTGCTCCG	CGGAGCAGGCGTAGGAGCATAATC
1939	TCGTCAAGGGCATGATGTGTGGGA	TCCCACACATCATGCCCTTGACGA
1940	GATGGACCGCCAAAGACACCTTGA	TCAAGGTGTCTTTGGCGGTCCATC
1941	TACACGAGGATGGGGTCAAGCTTT	AAAGCTTGACCCCATCCTCGTGTA
1942	ACACGCACAAAACGTTTGAAAGGC	GCCTTTCAAACGTTTTGTGCGTGT
1943	GTTATCGTGGGCCGATGGTACTGA	TCAGTACCATCGGCCACGATAAC
1944	ACATGACCGTATCCGCCTGCTTCG	CGAAGCAGGCGGATACGGTCATGT
1945	GAAGGCGAACCCTGAACTACGC	GCGTAGTTTCAGTGGTTGCGCTTC
1946	TGACTTTTGCAACGGGTGGAACCA	TGGTTCCACCCGTTGCAAAAGTCA
1947	TGAATTCGTAGGTTTTGGGTGCGG	CCGCACCCAAAACCTACGAATTCA
1948	AGCATTTATGAAGCGGCCATTGCG	CGCAATGGCCGCTTCATAAATGCT
1949	TGCTCCTCGCGTTGGTACCGTGAG	CTCACGGTACCAACGCGAGGAGCA
1950	CGCAGCAAGAAACAGCAACTGTTG	CAACAGTTGCTGTTTCTTGCTGCG
1951	AGACGCTTGAGTGAAAACCTCGGA	TCCGAGTTTTCACTCCAAGCGTCT
1952	CATTCGTAGAATGCCCAAATGGA	TCCATTTGGGGCATTCTACGAATG
1953	CCAGAAGGTTTCGGGACCCGTCGTG	CACGACGGGTCCCGAACCTTCTGG
1954	GAGAAGCCGGTTCTCAGAGCACAT	ATGTGCTCTGAGAACCGGCTTCTC
1955	TTGCGTTGCAAGATATCTGGCCCG	CGGGCCAGATATCTTGCAACGCAA
1956	GGGTTGCATGTTTCAGGCAAGACGA	TCGTCTTGCCTGAACATGCAACCC
1957	CTCACGAAGGTGACATATCACGCC	GGCGTGATATGTCACCTTCGTGAG
1958	GCCCGAGATACGGGTTCAAAAAGA	TCTTTTGAACCCGTATCTCGGGC
1959	CATCTTCGCGCTTCTTCACTCCGC	GCGGAGTGAAGAAGCGCGAAGATG
1960	TTACACGGTAAGCGTACGGCCGCC	GGCGGCCGTACGCTTACCGTGTA
1961	ACCTTCGGACAATGTGGCGTTTCGC	GCGAACGCCACATTGTCCGAAGGT
1962	TGAATGGTTCTGCTAGGCCACAC	GTGTGGGCCTAGCAGAACCATTCA
1963	CACGCCTGTCTGACATATGGATGC	GCATCCATATGTCAGACAGGCGTG
1964	CGCCTCAACCCAATCTGAGAACGT	ACGTTCTCAGATTGGGTTGAGGCG

1965	TTACGCTTACTGCGAGCTGGGTCC	GGACCCAGCTCGCAGTAAGCGTAA
1966	GGCTTGTGGGGCAATACGCATCTT	AAGATGCGTATTGCCCCACAAGCC
1967	CACTCTCCTTTGGATGCGGAACAA	TTGTTCCGCATCCAAAGGAGAGTG
1968	GACCAGCCATCACGTAACGGCCCT	AGGGCCGTTACGTGATGGCTGGTC
1969	AGGAACCGGATGTGGTTATGGAGC	GCTCCATAACCACATCCGGTTCCT
1970	ATCCATGGGCAACTGAGCCTATGC	GCATAGGCTCAGTTGCCCATGGAT
1971	GGAACAGCACTTGTTACCGCCAC	GTGGGCGGTAACAAGTGCTGTTCC
1972	TGGCTCGCTTCAAGCCTGTTTGCT	AGCAAACAGGCTTGAAGCGAGCCA
1973	CAAACGTGAGGTCATGACCACCAT	ATGGTGGTCATGACCTCACGTTTG
1974	ACCGATGTCTTGAAGTCCGGAGGT	ACCTCCGGA CTTCAAGACATCGGT
1975	CGAAAATGCATGATGATCTCCCCT	AGGGGAGATCATCATGCATTTTCG
1976	TTTGGTATTCTCGCTGCACCGTTG	CAACGGTGCAGCGAGAATACCAAA
1977	GCGTACTCAACCACATTCCCGACC	GGTCGGGAATGTGGTTGAGTACGC
1978	AGCAAACAACAGCGGTCCGAGCAT	ATGCTCGGACCGCTGTTGTTTGCT
1979	GGACTAGGAGCGGGGATAGCTGAG	CTCAGCTATCCCCGCTCCTAGTCC
1980	CCTTAACGAAAACCTGTGACCGC	GCGGTCGACAGGTTTTCGTTAAGG
1981	CTCGATCGCATAAGCAAGAAACCG	CGGTTTCTTGCTTATGCGATCGAG
1982	CCCGTTGTTTGGGCGACAAAAAGT	ACTTTTTGTCGCCCAAACAACGGG
1983	CGGCGGCTCTCGCATGATCTCGTT	AACGAGATCATGCGAGAGCCGCCG
1984	CGGATGGAGAGGAGTCTACGTCCC	GGGACGTAGACTCCTCTCCATCCG
1985	CAGAACAATATCGTGCGTCAACCG	CGGTTGACGCACGATATTGTTCTG
1986	CCTTTGCGCGCTCCGAGTAAGGTA	TACCTTACTCGGAGCGCGCAAAGG
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1991	GCCTGGTGGGGTAAGTCATGATGC	GCATCATGACTTACCCCACCAGGC
1992	GAGCAGCAGATTGATGCGCTTATG	CATAAGCGCATCAATCTGCTGCTC
1993	TGCGCCAACTTCCGGAATATTTGC	GCAAATATTCCGGAAGTTGGCGCA
1994	AACCCCATCATGAAATGCTCTCCG	CGGAGAGCATTTTCATGATGGGGTT
1995	GTCCAACGGTACTGGCGTGATGTT	AACATCACGCCAGTACCGTTGGAC
1996	ACTCGGCTGATCGTGAGATGGTGA	TCACCATCTCACGATCAGCCGAGT
1997	ATTCGTGGGCGCATCTCGGAATGT	ACATTCCGAGATGCGCCCACGAAT
1998	TCCCGTCTGTAAATCCAGGGAACA	TGTTCCCTGGATTACAGGACGGGA
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2000	GCGTGATAGTAGTGTGCTTTGGG	CCCAAAGCACAGTCATCTACACGC
2001	CTATGGTATCGAGACATCGGCGGA	TCCGCCGATGTCTCGATACCATAG
2002	CCTCGTACTCCGTCGTATGCACAA	TTGTGCATACGACGGAGTACGAGG
2003	TGGTGCGTCCGTAGTGCCTGCACT	AGTGCAGGCACTACGGACGCACCA
2004	CGCGATCCTAGTTGAAAGCTTTGC	GCAAAGCTTTCAACTAGGATCGCG
2005	ACGATCCAGGTGTTGGGCACTAAG	CTTAGTGCCCAACACCTGGATCGT

2006	CCAATCTAGGATACACCACGCCCG	CGGGCGTGGTGTATCCTAGATTGG
2007	GATACGTGGGGTATAGGCGGGCCC	GGGCCCCGCTATACCCACGTATC
2008	CATGGAACAAACCGTCGTAGGGGA	TCCCCTACGACGGTTTGTTCATG
2009	ACACTCGCGCAGTATTCGAGTCGT	ACGACTCGAATACTGCGCGAGTGT
2010	CTCAGTCTCGAAGGTGATCCGACC	GGTCGGATCACCTTCGAGACTGAG
2011	TCCCAATCCCCGTGGTATCGTCGT	ACGACGATACCACGGGGATTGGGA
2012	AATCAACGTAGTTCCGGTGGTCCG	CGGACCACCGGAACTACGTTGATT
2013	CTTAACAACCCAGGGGTTTGGGCT	AGCCCAAACCCCTGGGTTGTAAAG
2014	CTACCGCTGCATGGCGTTAGATTG	CAATCTAACGCCATGCAGCGGTAG
2015	TTATTGGTGGCGGACGGAGTGAGT	ACTCACTCCGTCCGCCACCAATAA
2016	TTAAGGGTGAACCTCAACCGCGTGA	TCACGCGGTTGAGTTCACCCTTAA
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2018	TCATGTGTAGGTCGCGGCCGTCAC	GTGACGGCCGCGACCTACACATGA
2019	CTCCGAACCTTCTGGGCCTCTTTT	AAAAGAGGCCCCAGAAGGTTCCGAG
2020	CTGTTGCCCATTTGGCCGACACTC	GAGTGTCGGGCCAATGGGCAACAG
2021	CACGATCGCTGAGCAACACATCAC	GTGATGTGTTGCTCAGCGATCGTG
2022	CGGATCATAAGCGTCCGCCTTCGT	ACGAAGGCGGACGCTTATGATCCG
2023	AGGTTAACGCAACATGTGATCCGC	GCGGATCACATGTTGCGTTAACCT
2024	GGGAAAAACAGCTAAGCCTTGCGA	TCGCAAGGCTTAGCTGTTTTCCC
2025	ACTTATTGCCGGGATCCGTACACA	TGTGTACGGATCCCGGCAATAAGT
2026	TGCGGTCTGAAAGGAAGGGAGGG	CCCTCCCTTCCTTCCAGACCGCA
2027	GCTGCCACCTGGACATCGCATACA	TGTATGCGATGTCCAGGTGGCAGC
2028	GCAGGCATGACAGTGGCGTAGTAC	GTACTIONGCCACTGTCATGCCTGC
2029	GCGGCCCTGATGGTTTGGCTGAGC	GCTCAGCCAAACCATCAGGGCCGC
2030	TCCCCATTTAGTCCCCTCCATCAC	GTGATGGAGGGGACTAAATGGGGA
2031	GCAACACAAATGCGAGCGTAGGAG	CTCCTACGCTCGCATTTGTGTTGC
2032	GGCGTTTGTATTGAGCCACGTAG	CTACGTGGCTCGAATACAAACGCC
2033	GGTAACGTGCGACGTGGAATTCCG	CGGAATTCCACGTGCGACGTTACC
2034	ACTTCACAACGCTCCGTTGGACAC	GTGTCCAACGGAGCGTTGTGAAGT
2035	CCGAATTATAAAGCGCAAGGCACA	TGTGCCTTGCGCTTTATAATTCGG
2036	GGACCCGATAAGACTCTGACGCCG	CGGCGTCAGAGTCTTATCGGGTCC
2037	ACCCGTTTCTCGTAGGAACCTGCT	AGCAGGTTTCTACGAGAAACGGGT
2038	CACGTTGACTGTATCTGGTTGCC	GGCAACCAGATACAGTCGAACGTG
2039	CCTCGGATGGGCCCATGACCTTGA	TCAAGGTCATGGGCCCATCCGAGG
2040	GGACGCCTGCTGTAGGGGTTTGAT	ATCAAACCCCTACAGCAGGCGTCC
2041	CTCGAGCGTGGGCTAAAAGAGCAT	ATGCTCTTTTAGCCACGCTCGAG
2042	TTTACTTCTTAGGGCGCGTTTGGG	CCCAAACGCGCCCTAAGAAGTAAA
2043	ACCACCAACATAGCGCGCACTAGT	ACTAGTGCGCGCTATGTTGGTGGT
2044	TGGTTACACGGCAGCCCGCGTAAG	CTTACGCGGGCTGCCGTGTAACCA
2045	TTATGGTACGTTGCTGCGTGCGGG	CCCGCACGCAGCAACGTACCATAA
2046	ACCGCGGATCTAACGAATCCCATT	AATGGGATTCGTTAGATCCGCGGT

2047	CATGATCCCGCCCTTAGGTTAAGC	GCTTAACCTAAGGGCGGGATCATG
2048	TACCGCTTCAAAGGGTTGCCGAAT	ATTCGGCAACCCTTTGAAGCGGTA
2049	GCACCGCGTCAATATTACCGAGGA	TCCTCGGTAATATTGACGCGGTGC
2050	GTGTCGCGGCTTTACAGAAGGAGA	TCTCCTTCTGTAAAGCCGCGACAC
2051	GCAAGCCATACCGCAATAAACTCG	CGAGTTTATTGCGGTATGGCTTGC
2052	ATGAGGTCGTGCTGCGTTCACGAG	CTCGTGAACGCAGCACGACCTCAT
2053	CGAGACTAGTGCCGATGCAGGGTA	TACCCTGCATCGGCACTAGTCTCG
2054	GCCTCATCATAGACGCTGGATGCA	TGCATCCAGCGTCTATGATGAGGC
2055	GACAGGCGTCGGTAAGCTCTCAAG	CTTGAGAGCTTACCGACGCCTGTC
2056	GCTACGAATCTTCCCTGTCGCCAC	GTGGCGACAGGGAAGATTTCGTAGC
2057	TTTGGCAGAACGTACCAGTGGGGT	ACCCCACTGGTACGTTCTGCCAAA
2058	GGACAATAAGCACCCGAGAATGCG	CGCATTCTCCGGTGCTTATTGTCC
2059	TCATGAACCTTCTGATGCCGCGAA	TTCGCGGCATCAGAAGGTTTCATGA
2060	CGCCGCATTACCTTAAAAACGTGC	GCACGTTTTTAAGGTAATGCGGCG
2061	ACGAGTCCAACCGCCTCATTGATT	AATCAATGAGGCGGTTGGACTCGT
2062	GCGAAGAGTTGCTACTCTTCGCC	GGCGGAAGAGTAGCAACTCTTCGC
2063	CGTCGGCAACAATCTTTTTCGTGA	TCACGAAAAAGATTGTTGCCGACG
2064	AATCCTGTGCACCCGTGAGACGCG	CGCGTCTCACGGGTGCACAGGATT
2065	AACCTATATGCATCAACGCGAGCC	GGCTCGCGTTGATGCATATAGGTT
2066	GAACCTGGCAAAACAGCCCGGAAA	TTTCCGGGCTGTTTTGCCAAGTTC
2067	CTCTATGGCCGTTTGCCGTCTGCA	TGCAGACGGCAAACGGCCATAGAG
2068	AGTGCACCGGGTTGTGGACACAAT	ATTGTGTCCACAACCCGGTGCACT
2069	CCTGGCTTTTCACACGCCAAGAAA	TTTCTTGGCGTGTGAAAAGCCAGG
2070	CACTCAGCGTAGCCTGAAGCCTGG	CCAGGCTTCAGGCTACGCTGAGTG
2071	GAATTATCGACCGCAGCGGTGTCTG	CGACACCGCTGCGGTGCGATAATTC
2072	GTGACATCACATGGTGGCCGAGCG	CGCTCGGCCACCATGTGATGTCAC
2073	AGCACCTTGCCGAGTCACCAAGTGA	TCACTGGTGACTCGGCAAGGTGCT
2074	TAGGTTGCAGGAATGGTGGGCACC	GGTGCCCAACCATTCCTGCAACCTA
2075	GTCCCATACGTGTGGTACGCGGAT	ATCCGCGTACCACACGTATGGGAC
2076	TCGGATACTCTCGCGTGCCACGGG	CCCGTGGCACGCGAGAGTATCCGA
2077	CAACGTTGCCCCCTAAGCCCAAAT	ATTTGGGCTTAGGGGCGAACGTTG
2078	GTTAGGTCACCGCGGCATATCCTA	TAGGATATGCCGCGGTGACCTAAC
2079	GTTACCGGCCTCTACTTGGGTTT	AAACCCAAGTAGAGGCCGGTGAAC
2080	AATCCGCGTCTAGGTCATGTGGTC	GACCACATGACCTAGACGCGGATT
2081	GCTACGCCTCTGGAGGTGGTACCC	GGGTACCACCTCCAGAGGCGTAGC
2082	CAGGGAATGCTACAAAGGGTCCAA	TTGGACCTTTGTAGCATTCCCTG
2083	AAGGGTTAGCTGCCCGGTTAACAG	CTGTTAACCAGGCGAGCTAACCCTT
2084	CCTCGCAAGCGCGATATTTATGCC	GGCATAAATATCGCGCTTGCGAGG
2085	GCCTCCCGGTCATGGTCAAGGGAA	TTCCCTTGACCATGACCGGGAGGC
2086	GCTGTTGAGCGGCGACCTGTGCAC	GTGCACAGGTGCGCGCTCAACAGC
2087	CGCTGACTTAGCTCTGATGTGCCG	CGGCACATCAGAGCTAAGTCAGCG

2088	TTCATGGCATTATCAGCAAGGAA	TTCCTTCGTGATGAATGCCATGAA
2089	TAGTGTTATGCCCCGCGTGTGAATG	CATTCACACGCGGGCATAACACTA
2090	CATGTAAGGGCACGGTCGTGGGCA	TGCCCACGACCGTGCCCTTACATG
2091	CAGGAAGCTCGTCCCGTGATGCAC	GTGCATCACGGAGCGAGCTTCCTG
2092	CCTGCTGATAGCAACCTCACTGCA	TGCAGTGAGGTTGCTATCAGCAGG
2093	ACTACGAGGGGCGAGGGTCTAGGCG	CGCCTAGACCCTGCCCCTCGTAGT
2094	CATAATGTGGGTGCTGACGCCGAT	ATCGGCGTCAGCACCCACATTATG
2095	TAGCGAATCCACACAGAGCCGCTC	GAGCGGCTCTGTGTGGATTTCGCTA
2096	TCGCGAAATCCCTAAATCCTGTGC	GCACAGGATTTAGGGATTTCGCGA
2097	TGGCACGAATCAAGCCACCAACTC	GAGTTGGTGGCTTGATTTCGTGCCA
2098	GCGGACCGTCTTTGCTATCTGACG	CGTCAGATAGCAAAGACGGTCCGC
2099	AGGCCCCGCTTGTAATTGGTCAT	ATGACCAATTACAAGGCGGGGCCT
2100	CTGGTCCCACACGCCGCTGACTAG	CTAGTCAGCGGCGTATGGGACCAG
2101	TGCTAACTGCGGCCCTACAGAGTC	GACTCTGTAGGGCCGCAGTTAGCA
2102	TGGTTTTATGTTCCGGTAGCGTCCG	CGGACGCTACCGAACATAAAACCA
2103	AGCTCAAACCTCTCCACGGGATG	CATCCCGTGGGAGAAGTTTGAGCT
2104	CGCGAAGATAGTGAAATCCGCATC	GATGCGGATTTCACTATCTTCGCG
2105	GAGTGAAACCTCTCGCGGGTTGCA	TGCAACCCGCGAGAGGTTTCACTC
2106	TCGAATGCTCTGCAGTGACGTCAA	TTGACGTCACTGCAGAGCATTGCA
2107	AGGTGGCAATGATCGACGACCCTG	CAGGGTCGTGATCATTGCCACCT
2108	GTCCGGAGCCGTGCAAAGCAATAA	TTATTGCTTTGCACGGCTCCGGAC
2109	CTTTTGGGATTAGAGGCCGACAA	TTGTCGGCCTCTAATCCCCAAAAG
2110	GGCATAAAGGCTTCCGTTCTGTGC	GACAGGAACGGAAGCCTTTATGCC
2111	GCGGACCGTAAAGCGGGCAGATAG	CTATCTGCCCCTTTACGGTCCGC
2112	TTTCAAGAGTGTCATCGAATCCACG	CGTGGATTGATGCACTCTTGAAA
2113	CCGGCATCCCTTCTCGCTGTTGCC	GGCAACAGCGAGAAGGGATGCCGG
2114	ACACAGAGACGCGAACGGAGTGCA	TGCACTCCGTTGCGCTCTCTGTGT
2115	AGCGGCATTCTCCCACTCGTTACT	AGTAACGAGTGGGAGAATGCCGCT
2116	GGAGCGTACTGCGCCTCGCAAGTC	GACTTGCGAGGCGCAGTACGCTCC
2117	AAACCCGAATGACACGGCAGATAA	TTATCTGCCGTGTCATTGCGGTTT
2118	AACCAGCGGATCGATAAAACGACA	TGTCGTTTTATCGATCCGCTGGTT
2119	GGTGTCCACCCGTTAACGCCGGTA	TACCGGCGTTAACGGGTGGACACC
2120	AGCGCGACGTGGCTTGCCGTTAAA	TTTAACGGCAAGCCACGTCGCGCT
2121	TCCCACGGCTATAGGTCCAACGAC	GTCGTTGGACCTATAGCCGTGGGA
2122	ATCAACGAACGATGCCGTTAGGTG	CACCTAACGGCATCGTTGCTTGAT
2123	GAGGCTAAGCCGTATGGCCGAGGC	GCCTCGGCCATACGGCTTAGCCTC
2124	ACGGTCCGAAATGGTTAGAGGCAC	GTGCCTCTAACCATTTGCGACCGT
2125	ACGCAAACCATTCCTCGAGTAGGC	GCCTACTCGAGGAATGGTTTGCGT
2126	TTACACGCTCGCTATTGGGCCATA	TATGGCCCAATAGCGAGCGTGTA
2127	CTCGGCACGGGTTTGAACGCCGG	CCGGCGTTCTAAACCCGTGCCGAG
2128	ATTCGGTAAGGTATCGGGCTAGCG	CGCTAGCCCGATACCTTACCGAAT



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2129	AGCACACCGTTATACATGACGGCG	CGCCGTCATGTATAACGGTGTGCT
2130	AGTCCCTGCCGTTGCTCATGGAA	TTCCATGAGCGAACGGCAGGGACT
2131	GGGCTTATGACCAGTCAGGTTGGA	TCCAACCTGACTGGTCATAAGCCC
2132	GGTCACCACACGAGTGCCTGGTCT	AGACCAGGCACTCGTGTGGTGACC
2133	TTGATCGTGTCTCCCGAAACCCTC	GAGGGTTTCGGGAGACACGATCAA
2134	ATTGTCGCGATCGGCATTTCTTAA	TTAAGAAATGCCGATCGCGACAAT
2135	GGGTCCAACGACTTCTCGCTGCTG	CAGCAGCGAGAAGTCGTTGGACCC
2136	CAAATTCCTTGGGGGCCATAGTGG	CCACTATGGCCCCCAAGGAATTTG
2137	CCAGAGTATCCGCCGTTAGACGGT	ACCGTCTAACGGCGGATACTCTGG
2138	TCCTGCAGATCATCTCGTGTCTGG	CCAGACACGAGATGATCTGCAGGA
2139	TGCGGGAGATTTGAACAAGCTGTA	TACAGCTTGTTCAAATCTCCCGCA
2140	TTAGACGCCGAGCTAGGCAACGTC	GACGTTGCCTAGCTCGGCGTCTAA
2141	TTTCGGCAGAATCTCCGATTCAAC	GTTGAATCGGAGATTCTGCCGAAA
2142	TGGCGAGCAGACCTACAAGACAGA	TCTGTCTTGTAGGTCTGCTCGCCA
2143	GGCGACAGACCGGTACATCGGCCA	TGGCCGATGTACCGGTCTGTGCCC
2144	TCTAGACCTGCGTTTCGTGGGACC	GGTCCACGAAACGCAGGTCTAGA
2145	GCCGAGCGTGGTACCATACGTTCA	TGAACGTATGGTACCACGCTCGGC
2146	TAATCACACCCGCTTTCTGTGGCT	AGCCACAGAAAGCGGGTGTGATTA
2147	GGCCGGAGCCATTGGACACTTCTT	AAGAAGTGTCCAATGGCTCCGGCC
2148	CCTGTAGACCTGCATGGATCGCTG	CAGCGATCCATGCAGGTCTACAGG
2149	ATCGCCGTTCCCGCAAAATAAGCA	TGCTTATTTTTCGGGAACGGCGAT
2150	TGGATCAACGGGGTAGTGAAAACG	CGTTTTCACTACCCCGTTGATCCA
2151	AAGCGACGATGCTTTCTTGAGCTG	CAGCTCAAGAAAGCATCGTCGCTT
2152	CACGGGCACGTGTTCTACGCTTGC	GCAAGCGTAGAACACGTGCCCGTG
2153	ACGGGCTGGGACAAGAGCTAGAAA	TTTCTAGCTCTTGTCCCAGCCCGT
2154	GGTAACTGGCTCCGCTCTCACATC	GATGTGAGAGCGGAGCCAGTTACC
2155	ACTCTGGCTGTTGGCGAACGTGAC	GTCACGTTCCGCAACAGCCAGAGT
2156	GACCGAGGACCAGTCCTTGCTCTC	GAGAGCAAGGACTGGTCCTCGGTC
2157	AGTAGCTCTTGCGGCCTAACGGCA	TGCCGTTAGGCCGCAAGAGCTACT
2158	TTCTTGTCCTGGGGGAGAGCAGTG	CACTGCTCTCCCCAGGACAAGAA
2159	TTAGCAGGGAGGTTGTCGGCTCAT	ATGAGCCGACAACCTCCCTGCTAA
2160	AGAACGTGGATTGTACGCTCCGCC	GGCGGAGCGTACAATCCACGTTCT
2161	CTTCACAGCCTGGAGCCACCAATG	CATTGGTGGCTCCAGGCTGTGAAG
2162	GAGATCGATGAAACGCACCAGCGG	CCGCTGGTGCGTTTCATCGATCTC
2163	GGGTCCAGAGTTGGTGTGGGATAA	TTATCCCACACCAACTCTGGACCC
2164	CCGTCCACCCCAGATAGGAATCAC	GTGATTCTATCTGGGGTGGACGG
2165	TGCCTCGCTTCTGTGAATCTACGA	TCGTAGATTCACAGAAGCGAGGCA
2166	GATCACAGCGTCCGCGCATAACGG	CCGTTATGCGCGGACGCTGTGATC
2167	ATGACGCCCTACATGACGCACCTT	AAGGTGCGTCATGTAAGGCGTCAT
2168	GCGTGGAATAACGCCCTTAGTTCA	TGAACTAAGGGCGTTATTCCACGC
2169	GGTCTACCATTCTCGCCCCGACCG	CGGTGCGGCGAGAAATGGTAGACC



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2170	ACACCTCTCTGGCGTAGACGCTCA	TGAGCGTCTACGCCAGAGAGGTGT
2171	GTAGAGGTGCTCAGGACTCGTCGC	GCGACGAGTCCTGAGCACCTCTAC
2172	GTAAGCAGGAGGCGAAGGCGCGAA	TTCGCGCCTTCGCCTCCTGCTTAC
2173	TCTAAGGGCCGTTTCAATCGACCT	AGGTCGATTGAAACGGCCCTTAGA
2174	AACCTGATTTCAGGGTCAGCCCGA	TCGGGCTGACCCTGAAATCAGGTT
2175	GTCACGCGATTGGCCACCTATTA	TAATAGGTGGGCCAATCGCGTGAC
2176	ACGATGCCGCGCATGTAACCTAGT	ACTAGGTTACATGCGCGGCATCGT
2177	TGAGAGATGTCTCGTCAACGCCTG	CAGGCGTTGACGAGACATCTCTCA
2178	GCATATCTCGCGGTGACAGACGAA	TTCGTCTGTACCCGCGAGATATGC
2179	GACCCAACGTCGAAATTGTGCGAT	ATCGCACAATTTGACGTTGGGTC
2180	TGAAAATCGGGGCATCTAGTTTGG	CCAAACTAGATGCCCCGATTTTCA
2181	CCGCGAAAAGGATTTGTGTACGCA	TGCGTACACAAATCCTTTTCGCGG
2182	CATTCCATTTATCCGCGAGTTCGCT	AGCGAACTGCGGATAAATGGAATG
2183	CCTGTCTGTGAGCCAGCGTCTAT	ATAGACGCTGGCTCGACAGACAGG
2184	TCAGCGCGGCTAAACAAGTTATGC	GCATAACTTGTITAGCCGCGCTGA
2185	ACGCCTACGAACGACCCAAGAGAG	CTCTCTTGGGTCTGTTCTAGGCGT
2186	TGCGCATCTACCATTTGTGTGGATC	GATCCACACAATGGTAGATGCGCA
2187	AAGTCCGCGCTCGCTCCTGTAATA	TATTACAGGAGCGAGCGCGGACTT
2188	GCTGGGTCATTGCTCGAGTAACCA	TGGTTACTCGAGCAATGACCCAGC
2189	TGGAGCGTTCTGGCAATGACCGAC	GTCGGTCATTGCCAGAACGCTCCA
2190	CAAGTCAATTCTTGGCCAATTCCG	CCGAATTGGCCAAGAATTGACTTG
2191	CGTTCATGCAAGGATCCCAGGTTA	TAACCTGGGATCCTTGCATGAACG
2192	ATGCCAATAGAAGCTGGGGATGCT	AGCATCCCCAGCTTCTATTGGCAT
2193	CCTAACTCTCCCTTGAGGCCGTTT	GAACGGCCTCAAGGGAGAGTTAGG
2194	ATCTCGGCGAAGGTTCCAAACATT	AATGTTTGGAACCTTCGCCGAGAT
2195	GCGACAGATTACGCTGCGGTTTTTC	GAAAACCGCAGCGTAATCTGTGCG
2196	AAGCCCAGACGGCCAACACGTTAC	GTAACGTGTTGGCCGTCTGGGCTT
2197	TCAAGTTCAAATCACATCCCGTGG	CCACGGGATGTGATTTGAACCTGA
2198	GATTGTGCTTCTGTCTGTGAGGCG	CGCCTCACAGACAGAACGACAATC
2199	ACCGAACTATGTTCCGGCATGGCA	TGCCATGCCGGAACATAGTTCGGT
2200	CGTCATCGGGTGTGCAATGCCGTT	AACGGCATTGCACACCCGATGACG
2201	CGGACGGAGTCACGTTTGTGCACT	AGTGACAAACGTGACTCCGTCCG
2202	TAAACAAGTCGTGTGCCTTTGCCG	CGGCAAAGGCACACGACTTGTTTA
2203	TAATTACTGGCCTGTGGAGCAGGC	GCCTGCTCCACAGGCCAGTAATTA
2204	GGAGCGGCCCGAATGGTGCTCTTA	TAAGAGCACCATTCGGGCCGCTCC
2205	ACTAAGCAAGGCTTGGATGTGCGT	ACGCACATCCAAGCCTTGCTTAGT
2206	GGCAGCTCAGCGGCAGTACGCTAC	GTAGCGTACTGCCGCTGAGCTGCC
2207	GCGAGGCGAATTATCCGCGGATTT	AAATCCGCGGATAATTGCCTCGC
2208	CATACGACACACCTTGGGGTGCTA	TAGCACCCCAAGGTGTGTCGTATG
2209	TGCTTGGGCTTTAAACCCCGTTTT	AAAACGGGGTTTAAAGCCCAAGCA
2210	CCGTTTGAAAACGCAAATATCGG	CCGATATTTGCGTTTTCCAACCGG

2211	AACTAGCTAGCCGCACCCGCAAG	CTTGCGGGTGCGGCTAGCTAGTTT
2212	GTTGTTCCACCAAGTGATCACGCAG	CTGCGTGATCACTGGTGAACAAC
2213	GCCGCTGACAAGATGATCATCGTT	AACGATGATCATCTTGTCAGCGGC
2214	CTTTCATAAAGCCAACCGATGCCC	GGGCATCGGTTGGCTTTATGAAAG
2215	CTGACTGCATCTCGAAAGCGGGTG	CACCCGCTTTCGAGATGCAGTCAG
2216	ATTTCTTCGGAGAATCGGCCACGT	ACGTGGCCGATTCTCCGAAGAAAT
2217	CATTTCGGGCCCTAGCTACTGCGC	GCGCAGTAGCTAGGGCCCCGAAATG
2218	CCGATCCCGCACATCCGTATCCTG	CAGGATACGGATGTGCGGGATCGG
2219	TATCACCGGGAGCGTCTTATCGTG	CACGATAAGACGCTCCCGGTGATA
2220	TAGGGCTCGTGACCGATTAGAGG	CCTCTAATCGGTGCACGAGCCCTA
2221	GCGTGGCACTCGCTTGTCTAGGTA	TACCTAGACAAGCGAGTGCCACGC
2222	CTCAACGAACTCAAGGGCCGCTAC	GTAGCGGCCCTTGAGTTCGTTGAG
2223	AGCCTGGTATCGACCAATCCTGCA	TGCAGGATTGGTCGATACCAGGCT
2224	TACGCGTTCTAGTTGGCCGGATCC	GGATCCGGCCAACTAGAACGCGTA
2225	TTTATGGGTTTGTGCCTGATGGGT	ACCCATCAGGCACAAACCCATAAA
2226	GGGACCCCTAGCAACGTCACCTTA	TAAGGTGACGTTGCTAGGGGTCCC
2227	CTGCCTCCCCAGGAGTCATTGGAT	ATCCAATGACTCCTGGGGAGGCAG
2228	AACCCCGCAAGACCAGTACCAATC	GATTGGTACTGGTCTTGCGGGGTT
2229	GGTCACATACGCGCTAAAAAGCGC	GCGCTTTTTAGCGCGTATGTGACC
2230	AAATGGCTCCGACCAGTTAGGGAC	GTCCCTAACTGGTCGGAGCCATTT
2231	AACGCGGCACGCTTAAAGGTGCAT	ATGCACCTTTAAGCGTGCCGCGTT
2232	GATCGCACGCCGATTAACCTTACA	TGTAAGGTTAATCGGCGTGCGATC
2233	CCTCCTGATTGGGAGTGCGGAATT	AATTCCGCACTCCCAATCAGGAGG
2234	CGGAGGGTAATAGGCTCCTCTGCG	CGCAGAGGAGCCTATTACCCTCCG
2235	ACAAGAACTGGACATTACCGCGGG	CCCGCGGTAATGTCCAGTTCTTGT
2236	TGTCGTCTTAAAGGCCTTTGTGCG	CGCACAAAGGCCTTTAAGACGACA
2237	GGTGACCATGTGGCGTTTTAGCTT	AAGCTAAAACGCCACATGGTCACC
2238	CACGGTTGCGCACGGTACCAGAAC	GTTCTGGTACCGTGCGCAACCGTG
2239	CCTTTATTGTTTGGTCCCCTGCCC	GGGCAGGGGACCAAACAATAAAGG
2240	GTGCGCCTGCATTCTACCGTCAAT	ATTGACGGTAGAATGCAGGCGCAC
2241	GTTTACGTTGATGGCTTGCCGCCG	CGGCGGCAAGCCATCAACGTAAAC
2242	CCGTCGGTGGTAGGACGTGAATGT	ACATTCACGTCCTACCACCGACGG
2243	TGATCGCCCCAGAATCCCTGTGCT	AGCACAGGGATTCTGGGGCGATCA
2244	AAGCAGCCAAAAATCGGTTGCTTT	AAAGCAACCGATTTTTGGCTGCTT
2245	CGACGGGACTTAGTAGCAGGGCCT	AGGCCCTGCTACTAAGTCCCGTCG
2246	CCGATTCGCGAAACGACCAAGTAG	CTACTTGGTCGTTTCGCGAATCGG
2247	CCACCCCAACTCCAATCTTTCTCA	TGAGAAAGATTGGAGTTGGGGTGG
2248	GTGCAGTAGACGACTACCGGCGTC	GACGCCGGTAGTCGTCTACTGCAC
2249	TTGCCCCATCGTATCAAGCAATTC	GAATTGCTTGATACGATGGGCGAA
2250	GAATCGCGACTACCCGTCGGGTCA	TGACCCGACGGGTAGTCGCGATTCT
2251	CCAGCACTCGCCATCGGTTATAAT	ATTATAACCGATGGCGAGTGCTGG

2252	CGAACCGTAGAACTCCGGTCGGTG	CACCGACCGGAGTTCTACGGTTCG
2253	GCACCATGACAGAGCCCCAGGATG	CATCCTGGGGCTCTGTCATGGTGC
2254	TGGGCTACCGCAGAATAAGGGTGA	TCACCCTTATTCTGCGGTAGCCCA
2255	TGGCCTGTCGTGTCGAAGGAAACA	TGTTTCCTTCGACACGACAGGCCA
2256	GCCTCACCGATAGCGAGCGTTTGC	GCAAACGCTCGCTATCGGTGAGGC
2257	GTGCGCGCCGGCTAAAACGAGACA	TGTCTCGTTTTAGCCGGCGCGCAC
2258	CCGCAGACGAGTTTCTTGTGACAG	CTGTCACAAGAACTCGTCTGCGG
2259	GTTTCGAATCGCGTGCTAGGAAGC	GCTTCCTAGCACGCGATTGCGAAC
2260	TGTTGTACACATGCATCCGGTGAA	TTCACCGGATGCATGTGTACAACA
2261	CACTGAACACGATATAAGGGCGCG	CGCGCCCTTATATCGTGTTCACTG
2262	CGCGATGGTTCTTAGCAAGACGAT	ATCGTCTTGCTAAGAACCATCGCG
2263	TACACCAAGGAAGAAATGGGGACG	CGTCCCCATTTCTTCCTTGGTGTA
2264	CGTGCCCTTGCCTTTTAGGTGCAGC	GCTGCACCTAAAACGCAAGGCACG
2265	GTCGTTTGTCTGGGCATTAACGGC	GCCGTTAATGCCCAGACAAACGAC
2266	CAGGCTCTCGTTTCGGTACAAACGT	ACGTTTGTACCGAACGAGAGCCTG
2267	CGGACACTGTTTCACCAGAACCCA	TGGGTTCTGGTGAAACAGTGTCCG
2268	TACCCATGATGCGGAAGAAGCGTA	TACGCTTCTTCCGCATCATGGGTA
2269	CTGTCCCTAAGCGGATGAGAACCG	CGGTTCTCATCCGCTTAAGGACAG
2270	CGGGAGATGAGAACGGTTTTGTGC	GCACAAAACCGTTCTCATCTCCCG
2271	TAGATCGCGACTGTACTCAGGCCG	CGGCCTGAGTACAGTCGCGATCTA
2272	TAAAACAGTTCGCGCGACTGTCGT	ACGACAGTCGCGCGAACTGTTTTA
2273	CGAGGAGCTCCACATAAGCCCAAT	ATTGGGCTTATGTGAGCTCCTCG
2274	TGGCTAGGGATGGGGAATCATCTT	AAGATGATTCCCCATCCCTAGCCA
2275	AGGATTGGGTGCCTGGATGCATTG	CAATGCATCCAGGCACCCAATCCT
2276	TGTATCTACCGGCCTGAAGCAGGT	ACCTGCTTCAGGCCGGTAGATACA
2277	TCCCTACGCGCATGACTCGCTTAC	GTAAGCGAGTCATGCGCGTAGGGA
2278	TGGTCGATCACCTGTGACAGACGC	GCGTCTGTACAGGTGATCGACCA
2279	TGGGGGTAGTCCATGCATCAATTG	CAATTGATGCATGGACTACCCCCA
2280	CCCTGCCAGGATTACTATTCCGGA	TCCGGAATAGTAATCCTGGCAGGG
2281	TCCCGCACGGGGAATTTAAGTAGA	TCTACTTAAATTCCCCGTGCGGGA
2282	GTGATGTGCAGGAACCTCTGTGCG	GCGACAGAAGTTCCTGCACATCAC
2283	ATTTAGGCATGCATGCGCTTCTCA	TGAGAAGCGCATGCATGCCTAAAT
2284	TTGCGCGCTAGTGACGCCGTCAA	TTGACGGCGTCCACTAGCGCCGAA
2285	GAGCTTCATCTCATCAGTTCCGCG	CGCGGAACTGATGAGATGAAGCTC
2286	GACAACTCCACTGCTCCAATCGCA	TGCGATTGGAGCAGTGAGATTGTC
2287	GGCCAAGGATGGACCTTACGATGG	CCATCGTAAGGTCCATCCTTGGCC
2288	GGTTCCGGAATTTGTACCGCTTC	GAAGCGGTGACAAATTCGGAACC
2289	GCGCTGGATAGTCTGCGAGAAGCC	GGCTTCTCGCAGACTATCCAGCGC
2290	TGAGTCCAGTGCTGCCACCATGAA	TTCATGGTGGCAGCACTGGACTCA
2291	TTGAATTGGGTGTCGGAGCGTTCT	AGAACGCTCCGACACCCAATTCAA
2292	CGGCGGGCAGACAATGCTTTGAAC	GTTCAAAGCATTGTCTGCCCGCCG

2293	GGGTCTGTCAAAGAGGGTGTCTGG	CCAGACACCCTCTTTGACAGACCC
2294	CTTTGTGCAAGACGAAGCACCCCTT	AAGGGTGCTTCGTCTTGACAAAG
2295	ATCGAATTCAGAGGAGGTCTCCAT	ATGGAGACCTCCTCGGAATTCGAT
2296	TCCGACCCTCAGAGTCGACTCATT	AATGAGTCGACTCTGAGGGTCGGA
2297	ATCAACGGCCACCTCCTCGCCGAG	CTCGGCGAGGAGGTGGCCGTTGAT
2298	AGCCACGGAATAATTCGGTCCACC	GGTGGACGGAATTATTCCGTGGCT
2299	GATCGCTTGCGTATCGCAAAGACT	AGTCTTTGCGATACGCAAGCGATC
2300	TCCACGCCTTACCATCAACTGCAA	TTGCAGTTGATGGTAAGGCGTGGA
2301	GCCAAGCGATAGGCCAGAACTCAG	CTGAGTTCTGGCCTATCGCTTGGC
2302	AGCGTGTGGGTCAATTTAGCACGA	TCGTGCTAAAATGACCCACACGCT
2303	GTTATGCGCGGCTTACGAGTTCGA	TCGAACTCGTAAGCCGCGCATAAC
2304	TCTGTCCACGTAACCTGCCTGCAG	CTGCAGGCAAGTTACGTGGACAGA
2305	TCGGCAGCCAATGATCATACCTCT	AGAGGTATGATCATTGGCTGCCGA
2306	TAAGCCCGATCCGGTCCTGTGTTT	AAACACAGGACCGGATCGGGCTTA
2307	ACATGGCAGACTAACAGGCCTCGC	GCGAGGCCTGTTAGTCTGCCATGT
2308	CATGGCTGCACTCTAAGTCGAACG	CGTTCGACTTAGAGTGCAGCCATG
2309	TCTTCAACCCACGCGGAACGATTG	CAATCGTTCGCGGTGGGTGAAGA
2310	CTCGTGTCTCCAGAGGATTGTCCC	GGGACAATCCTCTGGAGACACGAG
2311	TGAAGGCATCAACCCAGAGGATTT	AAATCCTCTGGGTGATGCCTTCA
2312	ACAGCTCGAAGGCAGCCACATTGG	CCAATGTGGCTGCCTTCGAGCTGT
2313	ACAACGAGTACCGCGACAGAAGGG	CCCTTCTGTGCGGGTACTCGTTGT
2314	ATAACCGAAAAACCAGCCTGCGAT	ATCGCAGGCTGGTTTTTCGGTTAT
2315	ACAACGAGTACCGCGACAGAAGGG	TGGACGTCGAAAGTGCTGAGTTGT
2316	CGGGTTACTGGGTATCACCAATGC	GCATTGGTGATACCCAGTAACCCG
2317	CATCGGTTATCGCTGCACGCGCGT	ACGCGCGTGCAGCGATAACCGATG
2318	GAAGGAATCCCGGATAGTCCGTGG	CCACGGACTATCCGGGATTCTTC
2319	GCATGGTCTCAGCCAAAGAACCTG	CAGGTTCTTTGGCTGAGACCATGC
2320	AGCCTGCGACGTTTCCCGACAGAC	GTCTGTGCGGAAACGTCGCAGGCT
2321	AAGAAAGGCGCACGGGATCGATAT	ATATCGATCCCGTGCGCCTTTCTT
2322	TGTCGCGAAGCCAACTTTCAGTAA	TACTGAAAGTTGGCTTCGCGACA
2323	GCGGCATGCAAGGTAGGTCTGGAT	ATCCAGACCTACCTTGCATGCCGC
2324	GGTGGCCATCTCCTCGAATTGCAT	ATGCAATTGAGGAGATGGCCACC
2325	GCGTGCATAAGTTGCACATTGTGC	GCACAATGTGCAACTTATGCACGC
2326	TTGAGGTAGCGTTTTTCGCGCATAT	ATATGCGCGAAAACGCTACCTCAA
2327	ATCCCACTTGTGAGAGGGCGCATT	AATGCGCCCTCTCACAAGTGGGAT
2328	CGGTCAGCGAGCAGACATCAACCT	AGGTTGATGTCTGCTCGCTGACCG
2329	GCGTATCTTCGGGTGCAACACTTG	CAAGTGTTGACCCGAAGATACGC
2330	ATGCCATTGAACTCGCACTTTGCG	CGCAAAGTGCGAGTTCAATGGCAT
2331	CGATTCCCATCATAATGTGGGTCC	GGACCCACATTATGATGGGAATCG
2332	CAATTTGGATAATCCAGCCACGCC	GGCGTGGCTGGATTATCCAAATTG
2333	CGGCTTACCCTATGATTCCGTGCA	TGCACGGAATCATAGGGTAAGCCG

2334	GGTGGACCATGCGCTGTGGTATGA	TCATACCACAGCGCATGGTCCACC
2335	TATTTGTCGAAGATCGCAAGCGCC	GGCGCTTGCGATCTTCGACAAATA
2336	GTCAGTGGGTTTTGAGAGCCCGCA	TGCGGGCTCTCAAAACCCACTGAC
2337	AGGGGGTTCGGGAAATCTGACAAAA	TTTTGTCAGATTTCCCGACCCCCT
2338	TGCTTGCTATCCGAAAAAAGCAGG	CCTGCTTTTTTCGGATAGCAAGCA
2339	TTATCGGATCAAATTCGGCTTCGG	CCGAAGCCGAATTTGATCCGATAA
2340	TGCAGCAACGAGTTACCCGGACTT	AAGTCCGGGTAACCTCGTTGCTGCA
2341	TATACATGTCCGGAGGGGACCCCA	TGGGTGCCCCTCCGGACATGTATA
2342	TGCAAAACCGGAGGATGAACCCTT	AAGGGTTCATCCTCCGGTTTTGCA
2343	TCGGTCTAATGTCCACGCAGACAC	GTGTCTGCGTGGACATTAGACCGA
2344	ATGTGTTTGCCACGCGCTCCTATT	AATAGGAGCGCGTGGCAAACACAT
2345	TGGCGAGGCACGGCTCTAATTCGG	CCGAATTAGAGCCGTGCCTCGCCA
2346	GCGACGACCCGAGCGACTTTTACA	TGTAAAAGTCGCTCGGGTCGTCGC
2347	CTCAGAGAGTCTATCCGGCGCCCT	AGGGCGCCGGATAGACTCTCTGAG
2348	GGAACATCTCCTGGGTCCCTCAGA	TCTGAGGGACCCAGGAGATGTTCC
2349	GCAACGCAGGGAAGTACTTAGCGA	TCGCTAAGTACTTCCCTGCGTTGC
2350	TGACTTGGGCGGACAAAGAAACGC	GCGTTTCTTTGTCCGCCCAAGTCA
2351	AGATCATCGGGACGCTTCATGCTA	TAGCATGAAGCGTCCCGATGATCT
2352	CCCTTCTGACCGCTAAGGCCATAA	TTATGGCCTTAGCGGTCAGAAGGG
2353	CGTGAGCCGTGGGGTGTCTCTGTA	TACAGAGACACCCACGGCTCACG
2354	TACCTTGGTCGTCTCCGCTTTTGT	ACAAAAGCGGAGACGACCAAGGTA
2355	TCGCCGCAAATGCTACGTGAAAA	TTTTACGTAGCATTTTTCGGCGGA
2356	GAGTGACCTAATGGCTGCCCCACT	AGTCGGGCAGCCATTAGGTCACTC
2357	AAAGGAACTTGGCCAACCCTATGG	CCATAGGGTTGGCCAAGTTCCCTT
2358	TGTTTTCGCACTCCACCTAATCGC	GCGATTAGGTGGAGTGCGAAAACA
2359	CAATGGGTTTCATAAGGGCAGGCA	TGCCTGCCCTTATGAAACCCATTG
2360	GCCTAACACACAAGGGTCCCTCTG	CAGAGGGACCCCTGTGTGTTAGGC
2361	CGTCATGCGGTCCGAGGATCGATC	GATCGATCCTCGGACCGCATGACG
2362	CCACACGGGCACGGAGTAATATCT	AGATATTACTCCGTGCCCGTGTGG
2363	CATCAGACATAGGTGCGGTGCCGA	TCGGCACGCGACCTATGTCTGATG
2364	AGATGAAACCAAGGGAGGACGCAG	CTGCGTCCTCCCTTGGTTTCATCT
2365	GGCTACCCATAGGCTCAGCAGCAC	GTGCTGCTGAGCCTATGGGTAGCC
2366	GGCTTGTGAGGGTGTGTTCTCGAC	GTCGAGAACACACCCTCACAAGCC
2367	TGTGTTACGGCGAATGCAACAGTC	GACTGTTGCATTGCGCGTAACACA
2368	CGATAACAGGTCGCGCCGTTACTA	TAGTAACGGCGCGACCTGTTATCG
2369	TGATAAAGTGAGGCTCCAGCGCGA	TCGCGCTGGAGCCTCACTTTATCA
2370	AATTGTGCACGGATCTGCACGGCG	CGCCGTGCAGATCCGTGCACAATT
2371	GCAATGTACTGTCACCAGTGCGGA	TCGCCACTGGTGACAGTACATTGC
2372	GGCATATCGGTAACACTTGGTTCGG	CCGACCAAGTGTTACCGATATGCC
2373	GGGTCTCAAACCAGCGTGGCCGCT	AGCGGCCACGCTGGTTTGAGACCC
2374	GTCTCCGGGACCATTGAGCTGGAG	CTCCAGCTCAATGGTCCCGGAGAC

2375	GGCCTTCGGCATTGACACGGGTTG	CAACCCGTCTGAATGCCGAAGGCC
2376	CGTGATAGGCCACAGCGCTCAATT	AATTGAGCGCTGTGGCCTATCACG
2377	GGCAGGCCCGCGAGGATGATTAAAC	GTTAATCATCCTCGCGGGCCTGCC
2378	CGGGTATGGTTGATAACAGCGTGG	CCACGCTGTTATCAACCATAACCCG
2379	ACGACGTCCTTGGGACCGTATTGT	ACAATACGGTCCCAAGGACGTCGT
2380	CTGATATCGAGCCTGAGCCTTTTCG	CGAAAGGCTCAGGCTCGATATCAG
2381	TCCCATTGGCCTGTATGCTGGCCT	AGGCCAGCATACAGGCCAATGGGA
2382	GTGTCGTCGATTGTTTCATCGACG	CGTCGATGAAACAATCGACGACAC
2383	CGAAAGCCAGTAGCCGATTGCGTG	CACGCAATCGGCTACTGGCTTTTCG
2384	GGTTCGGCTTATTCCACTGCGACA	TGTCGCAGTGGAATAAGCCGAACC
2385	AGCGAGGGCTAACTTTTAAACGCG	CGCGTTAAAAAGTTAGCCCTCGCT
2386	CGGCGCTGATGACGGGACTCGATT	AATCGAGTCCCGTCATCAGCGCCG
2387	TCACAGTGCTCGGCGTAAGGACTA	TAGTCCTTACGCCGAGCACTGTGA
2388	CCCATTACGAGCACACACCATGGC	GCCATGGTGTGTGCTCGTAATGGG
2389	GGCCGCTAATCTTTACGCATCACG	CGTGATGCGTAAAGATTAGCGGCC
2390	ACGGCTTCCTAGTGTCCAGCCCTT	AAGGGCTGGACACTAGGAAGCCGT
2391	CTGTCAGGTCCACCAATGGCTC	GAGCCATTGGGTAGGACCTGACAG
2392	CACAGCCCATCCCACTGAACTGCT	AGCAGTTCAGTGGGATGGGCTGTG
2393	ACAAACGATACACGCAACGCTGTG	CACAGCGTTGCGTGTATCGTTTGT
2394	TGGCGGCCAGCTAGCAGGCGAAGT	ACTTCGCCTGCTAGCTGGCCGCCA
2395	ATCTCGAAACGATGCGTGCCTAAA	TTTAGGCACGCATCGTTTCGAGAT
2396	ATCTCGAGAACAGCGTGCCTGCGG	CCGCACGCACGCTGTTCTCGAGAT
2397	GAAGAAATCCGCCGACATCTACGG	CCGTAGATGTCGGCGGATTTCTTC
2398	GCGGAGCAACCTTGGCTGTTTCTA	TAGAAACAGCCAAGGTTGCTCCGC
2399	CGCGTTCCGAAGACTTGTTGTTTG	CAAACAACAAGTCTTCGGAACGCG
2400	TGACCTGAAGCCCATCCATAAGCA	TGCTTATGGATGGGCTTCAGGTCA
2401	TGGTATTCATTCCGGATAAGCGGG	CCCGCTTATCCGGAATGAATACCA
2402	GCGTTGCGGGTCATTGATGCAAAC	GTTTGCATCAATGACCCGCAACGC
2403	ACCGCTTTCTGTGTAGAGCCCTGA	TCAGGGCTCTACACAGAAAGCGGT
2404	CAAATAGACAATCGCAGCTTCGGG	CCCGAAGCTGCGATTGTCTATTTG
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2406	AAATTGCACTCGCGGAGATTTCT	AGGAAATCTCCGCGAGTGCAATTT
2407	TGACGCCCATTTCTATATGGTGCA	TGCACCATATAGAAATGGGCGTCA
2408	TGTTCCGACAGGGCACTGCTAGAC	GTCTAGCAGTGCCCTGTGGAACA
2409	TCGCTGGCTTGGGAAGGCCTTCGT	ACGAAGGCCTTCCCAAGCCAGCGA
2410	GTGCACCTCCGTTGGCGTAGAATG	CATTCTACGCCAACGGAGGTGCAC
2411	CTCATTTGGGACCGATCGGGTTGC	GCAACCCGATCGGTCCCAAATGAG
2412	GCCAGTGTCTGTCAATGGATGGGA	TCCCATCCATTGACAGACACTGGC
2413	TTGCCCGGCAGGTTCTGTGTAATG	CATTACACAGAACCTGCCGGGCAA
2414	ACCCGCGAACCAGACGCACTTCT	AGAAGTGCGTCTCGGTTGCGGGT
2415	TCCGTGCGATTGGTCAAGGTTGAT	ATCAACCTTGACCAATCGCACGGA

2416	AGGGCGTCTCGGTTGAACCTCGGT	ACCGAGGTTCAACCGAGACGCCCT
2417	TGACCGTTCAAAGAGCAAGCCAAC	GTTGGCTTGCTCTTTGAACGGTCA
2418	ACACTCACCTGCTGTCCCTGCTGA	TCAGCAGGGACAGCAGGTGAGTGT
2419	GCGTTTAACTCCTTGGGTGGTGGT	ACCACCACCCAAGGAGTTAAACGC
2420	CGCCTGCGCAGGTAACCTCCGCA	TGCGGAGAGTTACCTGCGCAGGCG
2421	AATCGAATTTCCCAGCGGCTGTTT	AAACAGCCGCTGGGAAATTTCGATT
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2423	AATCCCAGACTCGCTCTTCGTGCT	AGCACGAAGAGCGAGTCTGGGATT
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2425	TACGAGAGCGGGCTTAGACGTGCG	GCGACGTCTAAGCCCGCTCTCGTA
2426	GCGATTTTGACCCACGGTTATCGA	TCGATAACCGTGGGTCAAATCGC
2427	AGCTGTATAATTTGGATGGCGCGA	TCGCGCCATCCAAATTATACAGCT
2428	TCCGCGAGTCTTAGCCGATTGAAC	GTTCAATCGGCTAAGACTCGCGGA
2429	GGCATCAGCTCCGTAAGCCGATAG	CTATCGGCTTACGGAGCTGATGCC
2430	TGTTATTGGCAGTTCGAGCGACAG	CTGTCGCTCGAACTGCCAATAACA
2431	GCGAGCCTTTTTGCTTGGGAAGAG	CTCTTCCCAAGCAAAAAGGCTCGC
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2434	CTCGGTTTTCACAACTTACCGCG	CGCGGTAAGTTTGTGAAAACCGAG
2435	GCAGTCCTATCCGGAGCCTGACAA	TTGTCAGGCTCCGGATAGGACTGC
2436	AAGGTGCGCTATTTGTTGTCGGTC	GACCGACAACAAATAGCGCACCTT
2437	AGTGGAATCCATGCCGACACCTGA	TCAGGTGTCGGCATGGATTCCACT
2438	TACAGGCGTAATTCCTGCGAGGGA	TCCCTCGCAGGAATTACGCCTGTA
2439	CCGAAGTGCGAGAAGCACGTTGTT	AACAACGTGCTTCTCGCACTTCGG
2440	AAGGACTGGTATGGCCGGAGCTTT	AAAGCTCCGGCCATACCAGTCCTT
2441	GGACACCGCCAACCTCATAGTTGC	GCAACTATGAGGTTGGCGGTGTCC
2442	AATGGTGTTTCGCTGGACTACCAC	GTGGTAGTCCAGGCGAACACCATT
2443	TAGGAAAGCGTACACGGGAATCCG	CGGATTCCCGTGTACGCTTTCCTA
2444	TCTCACCCCAATGATGAGGACGTC	GACGTCCTCATCATTGGGGTGAGA
2445	CGTGTCCGTGTGACACTGTCCATG	CATGGACAGTGTACACGCGACACG
2446	TCCAGGCTGTTGCGGATACGGTAG	CTACCGTATCCGCAACAGCCTGGA
2447	GTAGGCAAAATGGTCGCGATCAAT	ATTGATCGCGACCATTTTGCCTAC
2448	ATCTCCGTGGACCCGATTGTGACA	TGTCACAATCGGGTCCACGGAGAT
2449	GAATATGCCGTCAACGCTATGGGC	GCCCATAGCGTTGACGGCATATTC
2450	TTCCGGAAGCGTTTGTAACCTTG	CAAAGTTACCAAACGCTTCCGGAA
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2452	GGCCATTTGAGGAGGATTATGCAA	TTGCATAATCCTCCTCAAATGGCC
2453	ACCTTCTGACCTGGACTTTTGGCG	CGCCAAAAGTCCAGGTCAGAAGGT
2454	GACCAATCCGCAGTTGAGCAACAG	CTGTTGCTCAACTGCGGATTGGTC
2455	TCGGCCACTCACCATGAGTGTAGG	CCTACACTCATGGTGAGTGGCCGA
2456	AGCGCTCACATGTTTCGAAAACGGG	CCCGTTTTCGAACATGTGAGCGCT



2457	TAACGCAAAGGCGCGATCCTCGCT	AGCGAGGATCGCGCCTTTGCGTTA
2458	TGGGTGGGCCAAATATTACTGCAA	TTGCAGTAATATTTGGCCCACCCA
2459	GTCCTCGAAAGGGGCATCCAAACA	TGTTTGGATGCCCCTTTCGAGGAC
2460	CCCATCTGGTGGGAGGCGTTATCA	TGATAACGCCTCCCACCAGATGGG
2461	GTGCGCGGTCTGCAAACCTCGCCAT	ATGGCGAGTTTGCAGACCGCGCAC
2462	TGTGTTGCCAACCCCTAGGTCATCA	TGATGACCTAGGGTTGGCAACACA
2463	CTGATGCTGTTCTCGTCGGTTGAC	GTCAACCGACGAGAACAGCATCAG
2464	AAGCTGCAAAGGTGAGCGTGGCA	TGCCACGCTCACCTTTTGCAGCTT
2465	TCTGACGCGTGCTTGGGAGTCTAT	ATAGACTCCCAAGCACGCGTCAGA
2466	GAATTACTTGGAGGCGCCGTGCAA	TTGCACGGCGCCTCCAAGTAATTC
2467	GATTCTTCCCGACCTAGGTTGGCC	GGCCAACCTAGGTCGGGAAGAATC
2468	CGCAGCGTATCCCATGTTGCTTGA	TCAAGCAACATGGGATACGCTGCG
2469	GAGATGGAATTGTTGCCCCAAAGA	TCTTTGGGCGAACAATTCCATCTC
2470	GATGCCTGGATCGGTCTAGCGTCA	TGACGCTAGACCGATCCAGGCATC
2471	GCAGCGACTGCTAAGCTATCTCGG	CCGAGATAGCTTAGCAGTCGCTGC
2472	AGGGCTAATTTACATCGCCTTGCC	GGCAAGGCGATGTAAATTAGCCCT
2473	AAGTGCACATCCTCACGAAGCGAT	ATCGCTTCGTGAGGATGTGCACTT
2474	TCAGGCAGCCGTAATTAATGCGC	GCGCATTTAATTACGGCTGCCTGA
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2478	TAGAATTGCCTCTTCTAGCCGCC	GGCGGCTAGAAGAGGCGAATTCTA
2479	CATTACTTCTGCAGATGCGATGC	GCATCGCATCTGCAGGAAGTAATG
2480	GGAAATGCTAGCTGGGGTAATCGC	GCGATTACCCCAGCTAGCATTTCC
2481	GCCGCCACTTGCGAATCTACATCT	AGATGTAGATTTCGCAAGTGGCGGC
2482	ACAATAGCGGACAGCTCGCCAGAT	ATCTGGCGAGCTGTCCGCTATTGT
2483	AGTTAGGCTCTCGGTGCGGTCCAT	ATGGACCGCACCGAGAGCCTAACT
2484	TGGGCCTGAGAAGCGGTTAATAGG	CCTATTAACCGCTTCTCAGGCCCA
2485	ACGCTCTGAGCGACGCCTATCGTA	TACGATAGGCGTCGCTCAGAGCGT
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2487	GCGTGTCCATTGCTTGAGGTTTC	GAAACCTCAAGCGAATGGACACGC
2488	ATCCTGAACGGCGATGACCACCAC	GTGGTGGTCATCGCCGTTCAAGAT
2489	TTACGTTTCTCACCGATCAACGCC	GGCGTTGATCGGTGAGAAACGTAA
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2491	ATCTACGATGCGGCTCGAAGTGTT	AACACTTCGAGCCGCATCGTAGAT
2492	AACCAAGACTCGTCCCCAAACGAA	TTCGTTTGGGGACGAGTCTTGGTT
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2495	AGGCGCTTAGAACCGTGAAGGCAG	CTGCCTTACGTTCTAAGCGCCT
2496	TGGAAAATTTTGGGAAACGCTGGA	TCCAGCGTTTCCCAAATTTTCCA
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2498	TAGACGGCTGGCGAATCTTACGGT	ACCGTAAGATTCGCCAGCCGTCTA
2499	TACCATAACAAGAGAACGAGCCGCA	TGCGGCTCGTTCTCTTGATGGTA
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2501	GCAAACCTCCCCTGCCCTTTAGCCT	AGGCTAAAGGGCAGGGGAGTTTGC
2502	ATCCCGCTGATAACCGCCAGGATA	TATCCTGGCGGTTATCAGCGGGAT
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2504	AACCTACAGTCGCCGCAATGCATT	AATGCATTGCGGCGACTGTAGGTT
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2511	GACTTGAAACCGCCTATGCCACA	TGTGGGCATAGGCGGTTTCAAGTC
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2523	ATCGGCCGGTATTAGCTGCCCTCC	GGAGGGCAGCTAATACCGGCCGAT
2524	CGCAGGTAAGGCCGAGCAATGTTT	AAACATTGCTCGGCCTTACCTGCG
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2526	CATCTCGGCACACTGGTGCTGTAT	ATACAGCACCAAGTGTGCCGAGATG
2527	ACGCGTAAATCAACGACGTGGTCG	CGACCACGTCGTTGATTACGCGT
2528	CGTAGGTGGTAAATGTTGGCCCAG	CTGGGCCAACATTTACCACCTACG
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2533	CGGAGAATGGATGCAGGTTCTTCG	CGAAGAACCTGCATCCATTCTCCG
2534	TATAATCATTTGCGACTCGCCCCA	TGGGGCGAGTCGCAAATGATTATA
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2541	TTCTCGCACAGCTAGTCAGCCGAT	ATCGGCTGACTAGCTGTGCGAGAA
2542	CCAAGTCTTGCGTGAGCGATCCTG	CAGGATCGCTCACGCAAGACTTGG
2543	GCGAAAGTGGCTCGTATTTCTCCA	TGGAGAAATACGAGCCACTTTTCGC
2544	CCTCGGGACTGTCCGACTGAAAAA	TTTTTCAGTCGGACAGTCCCGAGG
2545	AGGCGAGTGTACGGCTCATCCATG	CATGGATGAGCCGTACACTCGCCT
2546	GCGGCTCTGCCTACGATATTCACA	TGTGAATATCGTAGGCAGAGCCGC
2547	TGCACCTGTCTGTAGATTTGCGGT	ACCGCAAATCTACAGACAGGTGCA
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2550	GGGTCATCGTGACGTTATGCCGTA	TACGGCATAACTGCACGATGACCC
2551	CCCGGATAATCCTTTGTCCAGCCG	CGGCTGGACAAAGGATTATCCGGG
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2571	ACTCCGGACATCTCGGCCAGAGAT	ATCTCTGGCCGAGATGTCCGGAGT
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2574	CACTCCGTCTCGTCCATTAATGCG	CGCATTAAATGGACGAGACGGAGTG
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2578	GCCTCTCCTATGACGATGACCCAC	GTGGGTCATCGTCATAGGAGAGGC
2579	TGGGCGCGCTTTTAAGACTACATC	GATGTAGTCTTAAAAGCGCGCCCA

2580	CGTTGGGTACCGTTCTATCAACCG	CGGTTGATAGAACGGTACCCAACG
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2582	CATCATCCACACAGGCAGGTGTGT	ACACACCTGCCTGTGTGGATGATG
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2584	ATACTCGTCGACGAGAAGCGGAAA	TTTCCGCTTCTCGTCGACGAGTAT
2585	GCAGAAATGTGTTGTCTTCGACGCC	GGCTGCGAAGACAACACATTCTGC
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2588	GCGACCTGCGGCGTGTGTATTCTC	GAGAATACACACGCCGCGAGGTCGC
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2590	ACCGTCGAATCTTGCGGCCAATGT	ACATTGGCCGCAAGATTGACGGT
2591	TAATGCATGCTCCCGGCTCACGTT	AACGTGAGCCGGGAGCATGCATTA
2592	TCTGTACACACCACGTCGTGCACA	TGTGCACGACGTGGTGTGTACAGA
2593	CATGGGGTTGTCAGACGACACCTA	TAGGTGTCGTCTGACAACCCCATG
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2599	GAACCTGAGCCTTTGCTAGCACGA	TCGTGCTAGCAAAGGCTCAGGTTT
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2601	TTGCACGCGCGCGAACGACTATTC	GAATAGTCGTTGCGCGCGGTGCAA
2602	TGCGGTGAAGCAGTCCAAGGTCAG	CTGACCTTGACTGCTTCACCGCA
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2604	TCGGTGATTGGTAATTTGGATCCG	CGGATCCAAATTACCAATCACCGA
2605	GCGGGCAGGTAGTTTGACTGGATG	CATCCAGTCAAACCTGCCCCGC
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2609	CGCGGCAAAGATTAATTCGCGCG	CGCCGGGAATTAATCTTTGCCGCG
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2623	GAATAATCATCGCGGTCTCATGG	CCATGAGGACCGCGATGATTATTC
2624	GGGATTGGCTCTTGGTTGGAAGAA	TTCTTCCAACCAAGAGCCAATCCC
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2630	TACCGCTCGTCGCGATCACAATGA	TCATTGTGATCGCGACGAGCGGTA
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2632	GCACCAAGTGCCCGATCAAAACGTA	TACGTTTTGATCGGGCACTGGTGC
2633	TGCAGGCTTCTCAACGGCTGGGAG	CTCCCAGCCGTTGAGAAGCCTGCA
2634	CTCCGTACGTATCCCGCGTGATAC	GTATCACGCGGGATACGTACGGAG
2635	GGAAGTGCAACTTAAAGCCCCGCC	GGCGGGGCTTTAAGTTGCACTTCC
2636	CGAACC GG CAGTCGATCGTTGCAT	ATGCAACGATCGACTGCCGGTTCCG
2637	CCGTTAGTGGTCGACAGTTCGGTT	AACCGAACTGTCGACCACTAACGG
2638	TCAGGCTACGCCCTCAGCACTACA	TGTAGTGCTGAGGGCGTAGCCTGA
2639	TATACGGGGCCGAGGTCCGTATTCCG	CGAATACGGACCTCGGCCCGTATA
2640	CCAACGTGTGACGAAGGGCCATTG	CAATGGCCCTTCGTACACGTTGG
2641	CTGCTCAGCGGTGCTTGAAAGACA	TGTCTTTCAAGCACCGCTGAGCAG
2642	GGAGATTGACTTCGCGTTTACCA	TGGTGAAACGCGAAGTCAATCTCC
2643	ATGGTTCAGAAGGTTCTGTCGGGTT	AACCCGACGAACCTTCTGAACCAT
2644	GAGTGGAGCATTCTCGGCCCTCAA	TTGAGGGCCGAGAATGCTCCACTC
2645	TGGATTGGAACCAATCCCGCACAA	TTGTGCGGGATTGGTTCCAATCCA
2646	TGCTCTTGTGGTCACTCGAGAGGA	TCCTCTCGAGTGACCACAAGAGCA
2647	TTGGGAGCACGGTTACCGCCTGTG	CACAGGCGGTAACCGTGCTCCCAA
2648	CAACGCGAGCTAACGGTAGTTTTCG	CGAAACTACCGTTAGCTCGCGTTG
2649	AACGCTGAGCGCTCACCTTCACCT	AGGTGAAGGTGAGCGCTCAGCGTT
2650	CCGTCGTAGATCTGGAGGCTTCAA	TTGAAGCCTCCAGATCTACGACGG
2651	GGATGGCATGGGCACACTGTAACC	GGTTACAGTGTGCCCATGCCATCC
2652	TCGCTCGTAGATATCCTTCACGCC	GGCGTGAAGGATATCTACGAGCGA
2653	GGAGCAATACCGCGTCCAAAACAC	GTGTTTTGGACGCGGTATTGCTCC
2654	TTGTT CAGACTTAGGCGCTGCCCA	TGGGCAGCGCCTAAGTCTGAACAA
2655	CGGCGGTACTCTTTCCACTGTCCT	AGGACAGTGGAAAGAGTACCGCCG
2656	AAGACGATTGCCACGTGCCAGAG	CTCTGGCACGTGGGCAATCGTCTT
2657	AGGTGAGCGCAGGCATATTGCAGT	ACTGCAATATGCCTGCGCTCACCT
2658	CTCGGGCCTGTACAGCAAAGCCGT	ACGGCTTTGCTGTACAGGCCCGAG
2659	TGCGCGCTAGTGCTGCCTATGATC	GATCATAGGCAGCACTAGCGCGCA
2660	CCATCCTTTGCCTTGAGGGTAAGG	CCTTACCCTCAAGGCAAAGGATGG
2661	AACAACAGCGTAAGACGGACAGGG	CCCTGTCCGTCTTACGCTGTTGTT

2662	GAGGCGGTCTGAGGCTCACAATATT	AATATTGTGAGCCTCGACCGCCTC
2663	CGAGGTTAGACGCCTATGACCCAC	GTGGGTCATAGGCGTCTAACCTCG
2664	AACTTGCTATACCGGGCGCAGCAA	TTGCTGCGCCCGGTATAGCAAGTT
2665	CGCGGTGAATCGCATACACAGCGC	GCGCTGTGTATGCGATTCACCGCG
2666	CACCGAATCAAGCCATATGGCTCT	AGAGCCATATGGCTTGATTCCGGTG
2667	TTCACAGCTATCCTAGGCGCTGCC	GGCAGCGCCTAGGATAGCTGTGAA
2668	AGAAGCGCGAAGTGTAACCCGCAT	ATGCGGGGTACACTTCGCGCTTCT
2669	TGCATGGTATTTGCGTGCGATAGG	CCTATCGCACGCAAATACCATGCA
2670	GGCCGGACCTATGTGAGATGGAAA	TTTCCATCTCACATAGGTCCGGCC
2671	TCAACCTGAGTCCTGATCCCAAGC	GCTTGGGATCAGGACTCAGGTTGA
2672	TGCTTACCGTTCAGGGAGGCGTGT	ACACGCCTCCCTGAACGGTAAGCA
2673	GGAGAGTTACGCGATGAGCCACCT	AGGTGGCTCATCGCGTAACTCTCC
2674	CGGTATGCGGTGTACAGCTTTCTGT	ACGAAAGCTGTACACCGCATACCG
2675	GTAAGCCGGGTCTCGTGTGCGCGT	ACGGCGACACGAGACCCGGCTTAC
2676	GCGTAGTGCGAACGCCCCGACCTA	TAGGTCGGGGCGTTTCGCACTACGC
2677	TCCTCGCGGCTTACGTCAAATTCG	CGAATTTGACGTAAGCCGCGAGGA
2678	CGACGTTCAAAGCGGGAGAGGAGG	CCTCCTCTCCCGCTTTGAACGTCG
2679	CGAGGCACCCCGACATGTTGAGAT	ATCTCAACATGTCGGGGTGCCTCG
2680	CTATTTCTGTGCCGCGTCGGACAAG	CTTGTCCGACGCGGCACGAAATAG
2681	GGCTGCTCAGTGACGTGTCAACTG	CAGTTGACACGTCAGTACGAGCC
2682	ATCACTCGTGCGTACCCGACCGTC	GACGGTCGGGTACGCACGAGTGAT
2683	CGAGATGTCCTATACCGTGGCGAA	TTCCGCCACGGTATAGGACATCTCG
2684	TCACACCGAGCCCCATAAATGAAA	TTTCATTTATGGGGCTCGGTGTGA
2685	AGCTACGTGTCTCGAGCAAAAGCG	CGCTTTTGCTCGAGACACGTAGCT
2686	TCAGGGCGAGTTTTTTTCAGCGGCG	CGCCGCTGAAAAAACTCGCCCTGA
2687	TTCTGTTCTGTCTATTTTGTCCCG	CGGGGCAAAAATAGACAGAACGAA
2688	TGGTATGCCCAGGATCCAGCCTAC	GTAGGCTGGATCCTGGGCATACCA
2689	TCTCAGTCGTTAGGCCAATGGCGG	CCGCCATTGGCCTAACGACTGAGA
2690	AAAGATCACCGTGGAGCGATCGGC	GCCGATCGCTCCACGGTGATCTTT
2691	TAGCAGGACTTGCACTCGTGATGC	GCATCACGAGTGCAAGTCCTGCTA
2692	TGCCACCGTACCGTTCAAGGCTG	CAGCCTTGAACGGTACCGTGGGCA
2693	TGAGGTGCGTCGCCCTAAGTAATG	CATTACTTAGGGCGACGCACCTCA
2694	AGCAAGGGTTACAACCCGCAACCC	GGGTTGCGGGTTGTAACCCTTGCT
2695	CACAACAGCCAGTATTCGCCACAA	TTGTGGCGAATACTGGCTGTTGTG
2696	GGCAACACCATACTCGACGAGCTC	GAGCTCGTCGAGTATGGTGTTGCC
2697	GGCTGGATTGACAATTTAGCCCCT	AGGGGCTAAATTGTCAATCCAGCC
2698	CGTGAGAAATGCTACACGCGTCAG	CTGACGCGTGTAGCATTTCTCACG
2699	CGCATCTGCCCCATTTTGTTCCTT	AAGGAACAAAATGGGGCAGATGCG
2700	GTCGGCCTAGTCGGCAGAACGGTG	CACCGTTCTGCCGACTAGGCCGAC
2701	TCCCTCACCTTCCAAAAATGTGCT	AGCACATTTTGGAAAGGTGAGGGA
2702	GGGCAAGAACATGAGAACAGACCG	CGGTCTGTTCTCATGTTCTTGCC

2703	TCGTCCTGGTACGACTTGCGTAGA	TCTACGCAAGTCGTACCAGGACGA
2704	TGGCGGTTGCATGTGATGATCAAG	CTTGATCATCACATGCAACCGCCA
2705	CCTCGCGTGAGTAAAAACCGTCCG	CGGACGGTTTTTACTCACGCGAGG
2706	ACTTCCGCCACAGAATGCGGCCAG	CTGGCCGCATTCTGTGGCGGAAGT
2707	GTGTAGAGCTTGGGTAGCCCCGTT	AACGGGGCTACCCAAGCTCTACAC
2708	CGCAGCATCCGAGTTAACACACAT	ATGTGTGTTAACTCGGATGCTGCG
2709	ATGAGCCTGGGATGATCCGCTGGT	ACCAGCGGATCATCCCAGGCTCAT
2710	CCTGGCATAAGTGCCGACATGCTT	AAGCATGTCGGCACTTATGCCAGG
2711	GCGCATGAAAACTACGACGGACG	CGTCCGTCGTAGTTTTTTCATGCGC
2712	AAAGATGGGTGCGATGGGAGCGTCT	AGACGCTCCCATCGACCCATCTTT
2713	ATCCTGGGCACGAGCGGATTTATC	GATAAATCCGCTCGTGCCAGGAT
2714	TCACCGCATTTGATAGTTACGCGA	TCGCGTAACTATCAAATGCGGTGA
2715	TGGTGGAGCGGACTCTGGTGTTAT	ATAACACCAGAGTCCGCTCCACCA
2716	CACAATGAAAAACAATGGCCCCA	TGGGGCCATTGTTTTTTCATTGTG
2717	CCTTGCCGCGCTTGTGGTACCAAC	GTTGGTACCACAAGCGCGGCAAGG
2718	CCGAGACCTTTGCCACACGAAAGA	TCTTTCGTGTGGCAAAGGTCTCGG
2719	ACCGCGGTGTACACCTGAGCAGGC	GCCTGCTCAGGTGTACACCGCGGT
2720	GTCGTACGCTTACCGCAGCGGAGA	TCTCCGCTGCGGTAAGCGTACGAC
2721	TCGTAATTTGACCGACACACGCAG	CTGCGTGTGTCGGTCAAATTACGA
2722	CCTAGACGGATACCCTGAGCGGAA	TTCCGCTCAGGGTATCCGTCTAGG
2723	AAGCGACAGCAGAGGTTTCAGTCGC	GCGACTGAACCTCTGCTGTCGCTT
2724	GCGTGGACGATATCACCTGGGCGT	ACGCCCAGGTGATATCGTCCACGC
2725	GTCGGAGAGCCAGTGGTACGGCTT	AAGCCGTACCACTGGCTCTCCGAC
2726	TATCCGCACGGTATAGCAGTTGCA	TGCAACTGCTATACCGTGCGGATA
2727	CATCAGTCGGGCTACCTTCAGCCT	AGGCTGAAGGTAGCCCGACTGATG
2728	CGGATTAATGCCTTTCCTCGGAAT	ATTCCGAGGAAAGGCATTAATCCG
2729	TTCGTCGTGCCAAGCTAATGCAAG	CTTGCAATTAGCTTGGCACGACGAA
2730	GGCCGAGACCACAGTAACAGGTT	AACCTGTTACTGGTGGTCTCGGCC
2731	CGCGCGGAAGCATTGAAGTTACTA	TAGTAACTTCAATGCTTCCGCGCG
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2733	GACTGACGTCAAGGCAAGCAACAC	GTGTTGCTTGCCTTGACGTCAGTC
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2735	TTCCAATGCGAGAGATGGCAGGCT	AGCCTGCCATCTCTCGCATTGGAA
2736	AAATGGGGTGCTTCGAATATGTCG	CGACATATTCGAAGCACCCCATTT
2737	GCTGTGCGATTATTGCACGCCTGT	ACAGGCGTGCAATAATCCGACAGC
2738	CCGACTTTGTTTATGTTGCTGGCG	CGCCAGCAACATAAAACAAAGTCGG
2739	GCTGCGATATAACCCGTCCCAGAA	TTCTGGGACGGGTTATATCGCAGC
2740	TGAGCTGGGCGTCAACTCCGAAGA	TCTTCGGAGTTGACGCCCAGCTCA
2741	CCCAAGCATCCTAAATCTCCCTCG	CGAGGGAGATTTAGGATGCTTGGG
2742	CGACAGCAATCCACATGCATTCTT	AAGAATGCATGTGGATTGCTGTGCG
2743	TGAATGGTCGGGAAACCAATGCAT	ATGCATTGGTTTCCCAGACCATTCA

2744	CTTTGCATCGAGATGCGGGGTAGC	GCTACCCCGCATCTCGATGCAAAG
2745	TCCATTTCTCCGCAACTCTCAGG	CCTGAGAGTTGCGGAGGAAATGGA
2746	CCACTACGCCATCCTGACAACGAG	CTCGTTGTCAGGATGGCGTAGTGG
2747	TAGTAAGGCCAATGTACGCCGTCC	GGACGGCGTACATTGGCCTTACTA
2748	GTCATGCATATGGGGCCTGTTTTC	GAAAACAGGCCCCATATGCATGAC
2749	ACCGGTAGACGTTAGCGGGTTCOA	TTGAACCCGCTAACGTCTACCGGT
2750	TTGGTTCAAACGGCCACACGTCTC	GAGACGTGTGGCCGTTTGAACCAA
2751	GACACAACTGCAAGGGAGGCATG	CATGCCTCCCCTGACAGTTTGTGTC
2752	CTCGAGCGCTGTCATCATATCGGC	GCCGATATGATGACAGCGCTCGAG
2753	GCGGCTAAGGCACAAGTAGACGTG	CACGTCTACTTGTGCCTTAGCCGC
2754	ACAGCCTAAATGGCGCAAGACCGA	TCGGTCTTGCGCCATTTAGGCTGT
2755	CCGATGATGTAAGCCGTCGGCCCT	AGGGCCGACGGCTTACATCATCGG
2756	AGGAGCAAACAAACGCCAGTGACA	TGTCAGTGGCGTTTGTGTTGCTCCT
2757	ACGAATTGGGTAGCCGGACTGAGA	TCTCAGTCCGGCTACCCAATTCGT
2758	CTGTTCCAGTTCGGCAAGTGCGGC	GCCGCACTTGCCGAAGTGAACAG
2759	AGACAAGTCAGGAACGCGTTTCCG	CGGAAACGCGTTCCTGACTTGTCT
2760	AGACGACGGCCAGATACGCTGCCA	TGGCAGCGTATCTGGCCGTCGTCT
2761	AGGAAGCGCTTCTTCCGGTTCTTC	GAAGAACCGGAAGAAGCGCTTCT
2762	GATGGACGCAAACACAAGGCGATC	GATCGCCTTGTGTTTGCCTCCATC
2763	CGCATAGCAGTCTCCGCATCTTGG	CCAAGATGCGGAGACTGCTATGCG
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2765	CCGTATGCCACCTCCAGAACTCAA	TTGAGTTCTGGAGGTGGCATAACGG
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2767	GCCTGATGCTCGTTAAATTGCGT	ACGCAATTTTAACGAGCATCAGGC
2768	TCGCACTTGGAACCATGAGATCTGA	TCAGATCTCATGGTCCAAGTGCGA
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2770	CGGACCTGGGGATGCTGGGATTAC	GTAATCCCAGCATCCCCAGGTCCG
2771	TCGAGCCGATAGGGTTGGCATTGC	GCAATGCCAACCCTATCGGCTCGA
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2778	GAGATCAGACCGTGTGCGATGCTG	CAGCATCCGACACGGTCTGATCTC
2779	CCACCTATCTTGATGCGACCTGGA	TCCAGGTCGCATCAAGATAGGTGG
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2781	GAAAATCACGGTAAGGCACGTTTCG	CGAACGTGCCTTACCGTGATTTTC
2782	GATTCTCGCTTCCCAACGAGCATA	TATGCTCGTTGGGAAGCGAGAATC
2783	TGTGAAATGTGGCAGTCTCAGGGA	TCCCTGAGACTGCCACATTTTACA
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2785	CCCTCAAGTGGGCGAGGGTTTTCA	TGAAAACCCTCGCCCACTTGAGGG
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2787	TTCGCTTTCAGCTCATTGGAACGA	TCGTTCCAATGAGCTGAAAGCGAA
2788	TGTAATCTGAACAAGCGGACCCCT	AGGGGTCCGCTTGTTTCAGATTACA
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2791	TGATCCGAGCCATTCCTAATCACC	GGTGATTAGGAATGGCTCGGATCA
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2793	AGGCATCGGTAAGAAGGCCCTATG	CATAGGGCCTTCTTACCGATGCCT
2794	CGCCGCGAGACGATCCTTATTATT	AATAATAAGGATCGTCTCGCGGCG
2795	ACATGGACGAAATTACGCCCCTCA	TGACGGGCGTAATTTTCGTCCATGT
2796	ACAGAAAGGTGGGGAGCCTAGCGT	ACGCTAGGCTCCCCACCTTTCTGT
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2799	GAATACAGAGCGTCCGATGTGCCC	GGGCACATCGGACGCTCTGTATTC
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2801	GGTGCACCTCATATGCGTCGCATCG	CGATGCGACGCATATGAGTGCACC
2802	CTGTCCACGCGGAAACCTTACTT	AAGTAAGGTTTCCCGTGGGACAG
2803	TGGCTTACTGTGCAATCTAGGCC	GGCCTAGATTGCGACAGTAAGCCA
2804	GCACTCAGTTTCCGGTATCCCATG	CATGGGATACCGGAAACTGAGTGC
2805	GTGAGGTTACGTAAGGCACAGCG	CGCTGTGCCTTACGTGAACCTCAC
2806	GTAACGCCTTTGTCCCCAGCGTAT	ATACGCTGGGGACAAAGGCGTTAC
2807	GCATTGATATGGTCGGTCTCGCCT	AGGCGAGACCGACCATATCAATGC
2808	GTGGGTTTAAGTGACAACGGACGC	GCGTCCGTTGTCACTTAAACCCAC
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2813	ACGCGTCGATGAACTAAGGCTCGC	GCGAGCCTTAGTTCATCGACGCGT
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2815	TCCGCGGTTGCCGTTTGTAGGA	TCCTAACAAACCGGCAACCGCGGA
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2817	TCTTTGGTCCTTGGTGTTTACGCG	CGCGTAAACACCAAGGACCAAGA
2818	GAGAACTCCCGCTACAAAGGAGCC	GGCTCCTTTGTAGCGGGAGTTCTC
2819	TTAACGTGGGAACCGTTGGTGAAT	ATTCACCAACGGTTCCACGTTAA
2820	GGGACACCATCCTTGGGTTTGTTA	TAACAAACCCAAGGATGGTGTCCC
2821	CAACAAACCGCCTTGGGAAGTGAC	GTCATTCCCAAGGCGGTTTGTTG
2822	TTGAAGGCCACCGATACTGATCGC	GCGATCAGTATCGGTGGCCTTCAA
2823	TCGTAATAGAACTGCGCCCAATGC	GCATTGGGCGCAGTTCTATTACGA
2824	GGCACGTTGCCCAAGTTGGATCCA	TGGATCCAACCTGGGCAACGTGCC
2825	ACATAGCTTGCCCGGACACCCACC	GGTGGGTGTCCGGCCAAGCTATGT



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2828	CAAAAGGCGTGTCCGAACCTTTTCA	TGAAAAGTTTCGGACACGCCTTTTG
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2831	AACATCAAGCGGCAATCTCCCTTC	GAAGGGAGATTGCCGCTTGATGTT
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2836	AGACCTTCCCACGCGAGATGCTAC	GTAGCATCTCGCGTGGGAAGGTCT
2837	TTCTTGCCAAAATGTGTCCAACCA	TGGTTGGACACATTTTGGCAAGAA
2838	CAGTTTTTCATTGCAGCGAAAGCAA	TTGCTTTCGCTGCAATGAAAACCTG
2839	GTGCCGATCCCGAGACAAGTTCCG	CGGAACCTTGCTCGGGATCGGCAC
2840	CATCCGGCCTCAGTGATTCTTACC	GGTAAGAATCACTGAGGCCGGATG
2841	TGCTGGAAGCCACAAACGTTACGT	ACGTAACGTTTGTGGCTTCCAGCA
2842	GAACGGCCAGGGGACAACCTATCGT	ACGATAGTTGTCCCCTGGCCGTTT
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2846	GCCAACAGGAGATGCTTGACCCAT	ATGGTGCAAGCATCTCCTGTTGGC
2847	CTAAGGACGCATTGACCCCTGAAC	GTTCAAGGGGTCAATGCGTCCTTAG
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2853	AACCCGTCATGCCGACTCCATCTA	TAGATGGAGTCGGCATGACGGGTT
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2879	CATGGTGCAGCACGCACAAGTAAC	GTTACTTGTGCGTGCTGCACCATG
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2895	GGGCGATAACTTAAATTGTGCCGC	GCGGCACAATTTAAGTTATCGCCC
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2898	TTCGAAATGTACTTCCCACGCGGA	TCCGCGTGGGAAGTACATTTGAA
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2903	GTGACGGTTGATTAACGACCGTGG	CCACGGTCGTTAATCAACCGTCAC
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2906	CAATATAAATGCCGCGCATCGAGT	ACTCGATGCGCGGCATTTATATTG
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2917	ACATGTGAAGTGAGTGCCGTCCAA	TTGGACGGCACTCACTTCACATGT
2918	CCTCTGGAGGGGATTAGCCACGCT	AGCGTGGCTAATCCCCTCCAGAGG
2919	CAATAGCCATGTCACTGGCAACGG	CCGTTGCCAGTGACATGGCTATTG
2920	ACCCATGGTTCCAACGTTCTTTCG	CGAAAGAACGTTGGAACCATGGGT
2921	AATCTGGTCTTGGCATCCTCCAAA	TTTGGAGGATGCCAAGACCAGATT
2922	GTATACCGGTGCATGCTGAAGCAA	TTGCTTCAGCATGCACCGGTATAC
2923	AGTGTTCTGGTTCGAGTCGACCCG	CGGGTCGACTCGAACCAGAACACT
2924	CGGGTATTTCGACACACAGAGGAC	GTCCTCGTGTGTGTCGAATACCCG
2925	AGTGCAACAGAGCGCTTGGTCACG	CGTGACCAAGCGCTCTGTTGCACT
2926	TGCACCTATAGTTTGGTGCCGGTG	CACCGGCACCAAACCTATAGGTGCA
2927	TGCTCACGTACCAGGACACTCGAG	CTCGAGTGTCTTGGTACGTGAGCA
2928	AGTCCACACCTCGAACGACAGGCG	CGCCTGTCGTTTCGAGGTGTGGACT
2929	CGCCGACCTGGTCAAAGAGCGCTA	TAGCGCTCTTTGACCAGGTCGGCG
2930	GCCTAAGGGCCTGTCGTTTTCCGA	TCGGAAAACGACAGGCCCTTAGGC
2931	TGTGCGTGCTTATGTTCCGGTCTC	GAGACCGGAACATAAGCACGCACA
2932	CAACCGTTGGCCGTAACAAAAATC	GATTTTTGTTACGGCCAACGGTTG
2933	CGAGAATCAAGGCGTACCATCTCG	CGAGATGGTACGCCTTGATTCTCG
2934	GCGTAGGCAGCCTCCAGGGAATGG	CCATTCCCTGGAGGCTGCCTACGC
2935	GATGGTGTTCGCAAGACCAAT	ATTGGTCTTGGCGAAAACACCATC
2936	CAAGCTAGGGACAGAATTGCCAC	GTGGGCAATTCTGTCCCTAGCTTG
2937	TAAATAGGCGAAACCGTTCGTGGC	GCCACGAACGGTTTCGCCTATTTA
2938	TCAAGACCCGCAATGTGTTTATGT	ACATGAACACATTGCGGGTCTTGA
2939	GCGGCTGGTAGACTCTTTCACAA	TTGTGCAAAGAGTCTACCAGCCGC
2940	CAGGCGTAAACCTGAACCAAACGG	CCGTTTGGTTCAGGTTTACGCCTG
2941	GCCGATCTGTGCTGAGGTTTATCA	TGATGAACCTCAGCACAGATCGGC
2942	GATATCGCGTCGCAATATCACGCG	CGCGTGATATTGCGACGCGATATC
2943	CCCTGCACGATTAAGCCACCTGTA	TACAGGTGGCTTAATCGTGCAGGG
2944	TGACATACAGATTTGTGTGGCCCC	GGGGCCACACAAATCTGTATGTCA
2945	GTTTGCGGCCGGTATTCACGATGT	ACATCGTGAATACCGGCCGCAAAC
2946	TTTACCTGGCCATTGGTGAGCTC	GAGCTACCAATGGCCAGGTAAAA
2947	CTCTACTCAATCAGGGTGGGAGCG	CGCTCCCACCCTGATTGAGTAGAG
2948	GGGTTGGAGGGAGTCTTGACCATT	AATGGTCAAGACTCCCTCCAACCC

2949	CGAGGTCGGTAAGGAAAAGCTTGC	GCAAGCTTTTCCTTACCGACCTCG
2950	CTTTACGCAGGCACCTCCGAGCTG	CAGCTCGGAGGTGCCTGCGTAAAG
2951	CATTGTATGGCCACGTGATTGACG	CGTCAATCACGTGGCCATACAATG
2952	GTACGGTGCGAGAGCGCCTAAGCG	CGCTTAGGCGCTCTCGCACCGTAC
2953	TTCCATATGCCGAAATGGACACAA	TTGTGTCCATTTTCGGCATATGGAA
2954	TACGCCTTCCGCTATAGCTCGTGA	TCACGAGCTATAGCGGAAGGCGTA
2955	CTGTACGCCACGCATGAAGGGTGA	TCACCCTTCATGCGTGGCGTACAG
2956	CTTACGCGTCCAATGACTGCCACC	GGTGGCAGTCATTGGACGCGTAAG
2957	CACATGGTAGAACTCGATCGGCAG	CTGCCGATCGAGTTCTACCATGTG
2958	CGCACCGGAAACTAGTGGATGTGT	ACACATCCACTAGTTTCCGGTGCG
2959	ACTATGGCAACCGACACTTGGTCC	GGACCAAGTGTCGGTTGCCATAGT
2960	CTAGTTTGCGCTACCCACCTGCAA	TTGCAGGTGGGTAGCGCAAACCTAG
2961	TAGTATCGCCCCGACAATAGCCTGG	CCAGGCTATTGTGCGGGCGATACTA
2962	CCAATATTTACGGCCTGATCAGCG	CGCTGATCAGGCCGTAAATATTGG
2963	ATGGCTATCCCTTACTGGCTCGCC	GGCGAGCCAGTAAGGGATAGCCAT
2964	CAAACTTGGCAGGCTTGGGACTT	AAGTCCCAAGCCTGCCAAGTTTTG
2965	AATGACCGAGGCTGCAAGATTGAC	GTCAATCTTGCAGCCTCGGTCATT
2966	ATCATCTTTGCCACCAGACATGG	CCATGTCTGGTGGCGAAAGATGAT
2967	CGTTATTACCGATGCACACGTTGC	GCAACGTGTGCATCGGTAATAACG
2968	CACACTGGCAATCGCCTCCCTCGT	ACGAGGGAGGCGATTGCCAGTGTG
2969	AGGTTGGTAGGAAATCGGAGCGCT	AGCGCTCCGATTTCTACCAACCT
2970	GCTGAACCACTGTGGTCAAGATGC	GCATCTTGACCACAGTGGTTCAGC
2971	CGTTGAGTACGACACGGTCGAGGT	ACCTCGACCGTGTCTACTCAACG
2972	TTTTTCCGCCGCAATGTGATCTAA	TTAGATCACATTGCGGCGGAAAAA
2973	ACAATACCTCGACCGCTCAGCATC	GATGCTGAGCGGTGCGAGGTATTGT
2974	AGTATCCCTGCTGGCATAACGGG	CCCGTGTATGCCAGCAGGGATACT
2975	TCTTGGGCTCGGTAGTTCAGCACT	AGTGCTGAACTACCGAGCCCAAGA
2976	CCCTATATCGAGCCCATAGGGCGA	TCGCCCTATGGGCTCGATATAGGG
2977	CACGAGTGGCATCAACGGCCTACT	AGTAGGCCGTTGATGCCACTCGTG
2978	TGCAGGGTCCGATGTGTTCAAGTA	TACTTGAACACATCGGACCCTGCA
2979	GCTTGACCGCTGCTAACCTCGTAC	GTACGAGGTTAGCAGCGGTCAAGC
2980	TTTTGCATCTCTCCACCATCCAGA	TCTGGATGGTGGAGAGATGCAAAA
2981	AGAATGTGCACCGGCTTCCATCTT	AAGATGGAAGCCGGTGCACATTCT
2982	TGTTATGACCCGCTCTGTGGCGTG	CACGCCACAGAGCGGGTCATAACA
2983	GGAGCTCCTGTTTCATCGAGGCTA	TAGCCTCGATGAAACAGGAGCTCC
2984	CATTTTGCTGTTTGGGGTCCCAT	ATGGGACCCCCAAACAGCAAAATG
2985	CCCGCTCCTTCACGTGAGACGAGA	TCTCGTCTCACGTGAAGGAGCGGG
2986	GCGCTCAAGTCGATTGCCACAACC	GGTTGTGGCAATCGACTTGAGCGC
2987	CGGTTGACGGAGACCGCAGTACTT	AAGTACTGCGGTCTCCGTCAACCG
2988	ACTCAAGACCGGTGCACCTCCAGC	GCTGGAGGTGCACCGGTCTTGAGT
2989	TTTCGTGTGCATGCAAGTAATGGC	GCCATTACTTGCATGCACACGAAA

2990	GCGGCGTTAGCTCGAGCTAACAAA	TTTGTTAGCTCGAGCTAACGCCGC
2991	GGGTATCCTGCCCGAGCAGTAATT	AATTACTGCTCGGGCAGGATACCC
2992	GGCTCCGAATCTCTTGCCGGTCT	AGACCGGACAAGAGATTCGGAGCC
2993	AGGATGGCCACGCCGAATCAAAGT	ACTTTGATTCGGCGTGGCCATCCT
2994	GTGCGGGGACGTTTACATAACGAG	CTCGTTATGTAAACGTCCCCGCAC
2995	ACTTTTGACCTGAGGCCGCTTGCA	TGCAAGCGGCCTCAGGTCAAAAGT
2996	ACTCCGCTTCAATGGAGACCGTTG	CAACGGTCTCCATTGAAGCGGAGT
2997	GATCGGAATTCGCCGCCATATTGA	TCAATATGGCGGCGAATTCCGATC
2998	ATGCGTGCCCATGGAATGACTTTT	AAAAGTCATTCCATGGGCACGCAT
2999	CCGCATCGCACGAAGGCAGGTCAT	ATGACCTGCCTTCGTGCGATGCGG
3000	CACCCTATGCGTCTCCAATTCCTG	CAGGAATTGGAGACGCATAGGGTG
3001	TGATATGCATCGCTGAGCCTCTGT	ACAGAGGCTCAGCGATGCATATCA
3002	AGCTTCACACGCTCACTGAACCTG	CAGGTTCACTGAGCGTGTGAAGCT
3003	AACCCGGAACCTCCTCTCACTCGG	CCGAGTGAGAGGAGGTTCCGGGTT
3004	CTCGTCAAACCTTGCCCGAGGAGTC	GACTCCTCGGCCAAGTTTGACGAG
3005	GTAGCTGGCAACAGGCAATCAGGA	TCCTGATTGCCTGTTGCCAGCTAC
3006	CTTGTCACGAATATTCGCCAAGCG	CGCTTGGCGAATATTCGTGACAAG
3007	CAGTATCTGAAACACGGGGTGCTG	CAGCACCCCGTGTTTCAGATACTG
3008	GGCTAAAATGGGCGCCACGTGTA	TACACGTGGGCGCCCATTTTAGCC
3009	ATGAGAGCCAAGCGCCTCAACTCC	GGAGTTGAGGCGCTTGGCTCTCAT
3010	TATTGTTAGGCACCGCTTCGCGCT	AGCGCGAAGCGGTGCCTAACAATA
3011	GGAAGTAGATTGCCAGTGCTCGCC	GGCGAGCACTGGCAATCTAGTTCC
3012	AGTCGACCCCAAGGCAACTGGGTC	GACCCAGTTGCCTTGGGGTCGACT
3013	GGTACTGTTAGCTCGACGATGGCC	GGCCATCGTCGAGCTAACAGTACC
3014	CCGCAATACTTGACGGTAACAGGG	CCCTGTTACCGTCAAGTATTGCGG
3015	AATCCGGGTTTGAACGGTTGGAA	TTCCAACCGTTCAAACCCGGAATT
3016	GACACGCAATCGGGTCTATGCGAA	TTCGCATAGACCCGATTGCGTGTC
3017	GATTTTGGCGTCTCATTGCGTGAT	ATCACGCAATGAGACGCCAAAATC
3018	TGCCATAGGGAGGAAACGCAATTA	TAATTGCGTTTCCTCCCTATGGCA
3019	GAGGTGCCCATGTTAGTGGTGTCC	GGACACCACTAACATGGGCACCTC
3020	GCTTTAGCGGTCATACGACCACCA	TGGTGGTCGTATGACCGCTAAAGC
3021	CCGCTACCAACAATCCGATTAACG	CGTTAATCGGATTGTTGGTAGCGG
3022	GAGGATCTGGCCACATCGAGAAAG	CTTTCTCGATGTGGCCAGATCCTC
3023	CTCGTTTGGTACCACGTTTTGCCG	CGGCAAAACGTGGTACCAAACGAG
3024	AATACACGCGGCGTAAACAGACGA	TCGTCTGTTTACGCCGCGTGATT
3025	TGTCATGGGCCAAATGACAGTGGC	GCCACTGTCATTTGGCCCATGACA
3026	ACAGCACTTCCGACCCGTGTACGA	TCGTACACGGGTCGGAAGTGCTGT
3027	CTCCGTAAAGAGCACAGCTTTGCC	GGCAAAGCTGTGCTCTTTACGGAG
3028	ACGAACAGGTAGGGATCGGTCCTC	GAGGACCGATCCCTACCTGTTTCGT
3029	TGGATCCACCTTACCGCGCCATCG	CGATGGCGCGGTAAGGTGGATCCA
3030	AGTATCAAATAGCGGCGCGGCAAG	CTTGCCGCGCCGCTATTTGATACT

3031	GAATTACATTGTGGATGGAGGCGG	CCGCCTCCATCCACAATGTAATTC
3032	CTCCTCGGGGAGTCGAGGAGTACG	CGTACTCCTCGACTCCCCGAGGAG
3033	AGTGTCGAGCCAACTCCCACCAAT	ATTGGTGGGAGTTGGCTCGACACT
3034	AAATGACATCCGTTTGGCCACAGC	GCTGTGGCCAAACGGATGTCATTT
3035	CGAATCATATCGCCATCGAACTGG	CCAGTTCGATGGCGATATGATTCTG
3036	TATAATGCACTCGCTTGGTGCGCA	TGCGCACCAAGCGAGTGCATTATA
3037	GCCAAGCAGATGGTAATTATGGCG	CGCCATAATTACCATCTGCTTGGC
3038	CACGCGGGAAGAGCACGTAGAACT	AGTTCTACGTGCTCTTCCCGCGTG
3039	TACCCGAGAATTTGAGAACAGCG	CGCTGTTCTCCAAATTCTCGGGTA
3040	TGACGGCAAACGTGGCATCTATC	GATAGATGCCACAGTTTGCCGTCA
3041	CACAGTGTTCCAGCCCTTGACGAT	ATCGTCAAGGGCTGGAACACTGTG
3042	TACCCGCCACACATGAAAGTTGG	CCAACCTTCATGTGTGGGCGGGTA
3043	TGGCATATTTAAGATTCGGCGACG	CGTCGCCGAATCTTAAATATGCCA
3044	ACTGAAAAAGAACGGGTAGCGGG	CCCGCTACCCGTTCTTTTTTCAGT
3045	TCTGACCGCAATAGGTGGTCATTG	CAATGACCACCTATTGCGGTCAGA
3046	ACTTTTTGGCGGGCCCTCTCTCGT	ACGAGAGAGGGCCCCGCCAAAAGT
3047	CTGCCAGATCATTGCGCGATCCG	CGGATCGCGCAATGATCTGGGCAG
3048	CGGAGGTTAAATGCTTTAACCGGC	GCCGGTTAAAGCATTTAACCTCCG
3049	AGGCGTCTCCAAACGTCTTCTGT	ACAGAAGGACGTTTGGAGACGCTT
3050	AGATGCTATCCTGAGTGGGCCTGC	GCAGGCCCACTCAGGATAGCATCT
3051	ACAGGGTGAAGAGACCGTGGGATG	CATCCACGGTCTCTTACCCCTGT
3052	GACTGTCTAACGGACGACACGACG	CGTCGTGTCGTCCGTTAGACAGTC
3053	AGCTGTTAGGACCCGACAACCGGT	ACCGGTTGTGGGTCTTAACAGCT
3054	TTGCGTAGTGTGGGCATTTCTCT	AGAGGAAATGCCACACTACGCAA
3055	ATGCGCGCTTCTTTCCTTGATGTA	TACATCAAGGAAAGAAGCGCGCAT
3056	TTAAGGGCGTCCGCGTCTATTGAG	CTGAATAGACGCGGACGCCCTTAA
3057	ACCTTTAACTTGTACCGCGGCC	GGGCCGCGGTACAAGTTTAAAGGT
3058	AGGGATGCAGAGGCACCATGTT	AACATGTGGTGCCTCTGCATCCCT
3059	CGGTTGACGTATGAGCATCCGCA	TGCGGATGCTCATACGTCGAACCG
3060	CAGGGCGATAGTCACATGGAGGTT	AACCTCCATGTGACTATCGCCCTG
3061	GCTTGACTGCCCCGTTTCATATGT	ACATATGAAACGGGGCAGTCAAGC
3062	CGAAGGGGTTGTGCAATTACCCGA	TCGGGTAATTGCACAACCCCTTCG
3063	AAAACGCACCGCAATGACAAAATT	AATTTTGTGATTGCGGTGCGTTTT
3064	ATTCCTGGACAAGACCTCAACCG	CGGTTGAGGGTCTTGTCCAGGAAT
3065	CCTACCTGCCTGCTAGCGGTGAGG	CCTCACCGCTAGCAGGCAGGTAGG
3066	GCTCGTAAATGGGGAGGAATTGGA	TCCAATTCCTCCCCATTTACGAGC
3067	ACATGAAAACAGGCTCAATTGGGG	CCCCAATTGAGCCTGTTTTCATGT
3068	GTTCCGCACATGGATTGAGGTCTC	GAGACCTCAATCCATGTGCGGAAC
3069	GGCACCCAATACCACGAAGAAGAA	TTCTTCTTCGTGGTATTGGGTGCC
3070	AGGGGCATTTTGAAGTCCATCTTT	AAAGATGGAGTTCGAAATGCCCT
3071	CATCATCACAAGGAACGTCGGTG	CACCGACGTTCTTTGTGATGATG

3072	TAAAGACCCACCGTCAGCAGCAGC	GCTGCTGCTGACGGTGGGTCTTTA
3073	CCCCAGGCGTAATGCACCACATAG	CTATGTGGTGCATTACGCCTGGGG
3074	GCAGGTGGAACGCTAGTGGTTGAA	TTCAACCACTAGCGTTCGACCTGC
3075	GGAACCTAGGAGTTCACGTCGCCA	TGGCGACGTGAACTCCTAAGTTCC
3076	GCAGATACGGCTAGCTGAGGTGGC	GCCACCTCAGCTAGCCGTATCTGC
3077	CACAGGCCTAGAGCCTCGGCGTTC	GAACGCCGAGGCTCTAGGCCTGTG
3078	GTTTTGCGCGCATGAGGTTTCTTA	TAATGAACCTCATGCGCGCAAAAC
3079	TTGCGCCTGATGCCAGCAGTACTA	TAGTACTGCTGGCATCAGGCGCAA
3080	GATATCAGGCTTTCCCACTGCCGC	GCGGCAGTGGGAAAGCCTGATATC
3081	TGCGCGGAGACGGAGATCTATGAA	TTCATAGATCTCCGTCTCCGCGCA
3082	CATTGGTGTGGCTGAGAGTGGAC	GTCCACTCTCAGCCAACACCAATG
3083	GTCGGCACTTGGGCACCATTAATA	TATTAATGGTGCCCAAGTGCCGAC
3084	ATCGATCGGTGTCTCACCACGGAG	CTCCGTGGTGAGACACCGATCGAT
3085	CGTAGCCTTCCACCGTGTGATAG	CTATCGACACGGTGGAAGGCTACG
3086	CGCTCTCCGTCTGAGGAAAAGGGG	CCCCTTTTCCTCAGACGGAGAGCG
3087	TCGCCCCAGCCAAGGATATATTGC	GCAATATATCCTTGGCTGGGGCGA
3088	TCTCTTGCAAGGAAGTCTGCCGTC	GACGGCAGAGTTCCTTGCAAGAGA
3089	GTCCTGGACAGACGGAGGGTGTTA	TAACACCCTCCGTCTGTCCAGGAC
3090	GCCAAATTAAGCGGGCTCGTAATC	GATTACGAGCCCGCTTAATTTGGC
3091	CCATTTGTTGACCGATGGGAGGGG	CCCCTCCCATCGGTCAACAAATGG
3092	TGGTCAAAAGAGCACGATCCAGGA	TCCTGGATCGTGCTCTTTTGACCA
3093	CGCTACTAAGACGCCCCTGTCCAC	GTGGACAGGGGCGTCTTAGTAGCG
3094	CATACCTCCCGCTTGGATTCACTG	CAGTGAATCCAAGCGGGAGGTATG
3095	CCGCGGAAGGAATGTCATCTACAA	TTGTAGATGACATTCCTCCGCGG
3096	CACGGGACATTCAATCACAGGACG	CGTCCTGTGAATGAATGTCCCGTG
3097	AGGAGTCACCCACTCCGCACAAAA	TTTTGTGCGGAGTGGGTGACTCCT
3098	TCATGACAGCGCACCCCATACCAT	ATGGTATGGGGTGCGCTGTCATGA
3099	GGTAGGGGACTATCGATCGTGCTG	CAGCACGATCGATAGTCCCCTACC
3100	ATGTCTCACTACCGCACGTAGCGG	CCGCTACGTGCGGTAGTGAGACAT
3101	ACGGAGGAGCGACTCGTTCGCTGC	GCAGCGAACGAGTCGCTCCTCCGT
3102	GAAGTCTGTGCGCCGGTGGACGGAC	GTCCGTCCACCGGCGACAGACTTC
3103	CCGTAACGTGTATTTCGGACGAGCG	CGCTCGTCCGAATACAGTTACGG
3104	CGTGGAAGCGACTTAACCAATCGT	ACGATTGGTTAAGTCGCTTCCACG
3105	GGCATGGGCTATGCCTCACACTAG	CTAGTGTGAGGCATAGCCCATGCC
3106	GGGTCTGATTTTCAGCATCGTTTCGT	ACGAACGATGCTGAAATACGACCC
3107	AATGGTCGCGCAAACCGTAAGAAT	ATTCTTACGGTTTGCGCGACCATT
3108	CTGGATTCCGTACGTCCAACGTTT	AAACGTTGGACGTACCGAATCCAG
3109	CGCAAAAACACCCGTAGCCAAGAA	TTCTTGCTACGGGTGTTTTTGCG
3110	TATGGATACGCTTTTGGACTGGGC	GCCCAGTCCAAAAGCGTATCCATA
3111	GCTTCAAACGCGCTTCACGCTGGT	ACCAGCGTGAAGCGCGTTTGAAGC
3112	TACAGCCCGCTCTACCTCGCCACC	GGTGGCGAGGTAGAGCGGGCTGTA



3113	TCAACCGATGTCAAATGCACGTT	AACGTGCATTTTGACATCGGTTGA
3114	AGCTCTCTCCGAAGTAGGGCGGTA	TACCGCCCTACTTCGGAGAGAGCT
3115	ACGCACACATGGAGACTTGGCTCC	GGAGCCAAGTCTCCATGTGTGCGT
3116	TTCTTGAAAGCTAGTGGGGCGCTA	TAGCGCCCCACTAGCTTTCAAGAA
3117	CAATCACGGCTGGGCTATTCTGTG	CACAGAATAGCCCAGCCGTGATTG
3118	GTGGCGACCCGTCGGTGAAAGAGT	ACTCTTTCACCGACGGGTCGCCAC
3119	CGTCGAATGCCGAACCAGTTAAGT	ACTTAACTGGTTCGGCATTTCGACG
3120	TGCGTATTTGCATGCTCACAGCTG	CAGCTGTGAGCATGCAAATACGCA
3121	CGCAGTTGGTTTGTGCACGGCTGC	GCAGCCGTGCACAAACCAACTGCG
3122	GTTTTTCCGTGAAAACCTGGCATCG	CGATGCCAGTTTTTCACGGAAAAAC
3123	ACAGGTTCTCCACCACGATTTGA	TCAAATCGTGGTGGAGGAACCTGT
3124	CTAGCGCGCTTTTAGGTCTTGCG	CGCAAGGACCTAAAAGCGCGCTAG
3125	CAAAATCAAAGGGATCAACCGGTG	CACCGGTTGATCCCTTTGATTTTG
3126	AACGTAACCCCAAGTGAATCAGGCA	TGCCTGACTCACTGGGGTTACGTT
3127	TCAACCGGTGCACTTTAGAACGCC	GGCGTTCTAAAGTGCACCGGTTGA
3128	ATCGCAAAGTTGCAGGCGAATACT	AGTATTCGCCTGCAACTTTGCGAT
3129	ATATGTCCCTGGGTGCTGCACAAC	GTTGTGCAGCACCCAGGGACATAT
3130	TGGCACTTTGTAGTGCTGCGGTGG	CCACCGCAGCACTACAAAGTGCCA
3131	ACGCACGACGTCTTCTAAGCTCG	CGAGCTTAGAAGGACGTCGTGCGT
3132	CCCACGTGCACTATAGGGATTTTCG	CGAAATCCCTATAGTGCACGTGGG
3133	CCGCGCTTGGTCAGTCATCCTTGC	GCAAGGATGACTGACCAAGCGCGG
3134	AGCGGCTCAGGGAATAACAACAGG	CCTGTTGTTATTCCCTGAGCCGCT
3135	ACAACGCGATCGGAGGCAACCAGT	ACTGGTTGCCTCCGATCGCGTTGT
3136	AGCAATTGCCTCCGTAGAAACCCA	TGGGTTTCTACGGAGGCAATTGCT
3137	GAGTCGTGGCATCGCCTGCTATCG	CGATAGCAGGCGATGCCACGACTC
3138	TCTATGCAAATACTGCGCTTGCGA	TCGCAAGCGCAGTATTTGCATAGA
3139	TCAGCTTAAGTTACGGTGTGGCCG	CGGCCACACCGTAACTTAAGCTGA
3140	TCCAAGGTCGAACAGGGATCAGAA	TTCTGATCCCTGTTTCGACCTTGGA
3141	GTTAGGCTGGCGTCAATAGCGCTT	AAGCGCTATTGACGCCAGCCTAAC
3142	GGTGTGATAAGGAAGAGGGCATCG	CGATGCCCTCTTCCTTATGACACC
3143	CCGGCGGGCTAGATCAATATTTCT	AGAAATATTGATCTAGCCCGCCGG
3144	CTAACGTCAAGTTTTACGCCCCGA	TCGGGGCGTAAACTTGACGTTAG
3145	GCAGCACAGTTTTCCGATTTGCGG	CCGCAAATCGGAAACTGTGCTGC
3146	CGCACGCAAGGGGAGGGATGACTG	CAGTCATCCCTCCCCTTGCGTGCG
3147	CGGGGCCGAAAAGGACGTCACAAG	CTTGTGACGTCCTTTTCGGCCCCG
3148	TTCTCCAACACGGCTAACCGGTAG	CTACCGGTTAGCCGTGTTGGAGAA
3149	TTACAGCCTGGCCCGAGGTAGTTG	CAACTACCTCGGGCCAGGCTGTAA
3150	TTTCGGGCAGCATGAGTTATCGAA	TTTGATAACTCATGCTGCCCGAAA
3151	CTACTGGACGCCCTGCTTCGAAGT	ACTTCGAAGCAGGGCGTCCAGTAG
3152	GGTCGTCCGACGTGAAAAGACCAA	TTGGTCTTTTCACGTCGGACGACC
3153	GTTTTGAGCTCTTCTCCGCAGG	CCTGCGGAGAAAGAGCTCGAAAAC



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3154	GCGTGAAGGTACCCAGTGTCACAG	CTGTGACACTGGGTACCTTCACGC
3155	TTTCTGAACGCTTCGACGCAACAC	GTGTTGCGTCGAAGCGTTCAGAAA
3156	TGCTAATAAGCACGCCTAGCCCGT	ACGGGCTAGGCGTGCTTATTAGCA
3157	AAATTAATTGTGGTGGCTCCGGCG	CGCCGGAGCCACCACAATTAATTT
3158	TTACAATCCTCGGGCTCACTGACA	TGTCAGTGAGCCCGAGGATTGTAA
3159	GCTGAAGGACAAGGCGTGGGCAAC	GTTGCCCACGCCTTGTCTTCAGC
3160	GGGATAGGAGACCTCGCAATGGT	ACCATTGCGAGGGTCTCCTATCCC
3161	TTGCAGTACGTCCTTGCGCATGAA	TTCATGCGCAAGGACGTACTGCAA
3162	TTGATCACTGGATTGGGTGCGAAC	GTTGCGACCCAATCCAGTGATCAA
3163	TCTGCAGACGTTGCGAGAGATGAT	ATCATCTCTCGCAACGTCTGCAGA
3164	AGTCTAGCAGGGATCGAAGCGGAT	ATCCGCTTCGATCCCTGCTAGACT
3165	GGGGTCCCGCAACAATAATGAAG	CTTCATTAGTTGTTGCGGGACCCC
3166	CAACCTCTTATGTGGTGTGCGCGA	TCGCGCACACCACATAAGAGGTTG
3167	CTCGCTGGGTTGCTGGAGTAGCAC	GTGCTACTCCAGCAACCCAGCGAG
3168	CGTTGTATTGTGCAACGCGAAGTT	AACTTCGCGTTGCACAATACAACG
3169	GGGCTCAAAGTGCCTGAGTCGAAA	TTTCGACTCAGGCACTTTGAGCCC
3170	CTGCTGTGCCCTCTCAGTGAGAGC	GCTCTCACTGAGAGGGCACAGCAG
3171	CGGACGTA CTGTTTCGGAGTCCTCA	TGAGGACTCCGAACAGTACGTCCG
3172	GTATACCACCATACCGGGACCGCA	TGCGGTCCCGGTATGGTGGTATAC

TABLE 3

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
17	TTCCGCCGTCGTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
18	GTTCCCAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTTCAAGGACACCGGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTCATTGACCGTTC
22	GCGGCCTTGGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTCTGCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCCGTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACCGATG
27	GTCGGGCATAGAGCCGACCACCCT	AGGGTGGTCGGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCTGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTTC
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATTATGACA
37	ATATCGGGATTCTGTTCCCGGTGAA	TTCACCGGGAACGAATCCCGATAT
38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42	TAGCGGACCGGCAGAATGAGTTCC	GGAACTCATTCTGCCGGTCCGCTA
43	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTGATGTACC
44	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45	GCCAAATCTGGATTGGCAGGAATG	CATTCCTGCCAATCCAGATTTGGC
46	TGCATTTTCGGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG
49	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCTGAATT
50	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
51	CCAACAACGGAAACGGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
52	GAGAACTGATCGCTGAGGGGCATG	CATGCCCCTCAGCGATCAGTTCTC
53	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC

54	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
55	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTACACCCGGCAGAC
56	CATCGCAGAGCATAAACACCTCA	TGAGGGTGTATTATGCTCTGCGATG
57	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
58	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
59	GGAATGAGTGGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
60	TGTCAATATGCGTCCGTGTCGTCT	AGACGACACGGACGCATATTGACA
61	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCCTGAGGCTCATCA
62	CACCGCGGTGTTCTACAGAAATGA	TCATTCTGTAGGAACACCGCGGTG
63	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
64	TTAACCTGCGTCTGCCCCCTTCT	AGGAAAGGGGCAGACGCAGGTTAA
65	AGGCGCGTTTCTGCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
66	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
67	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
68	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
69	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTTCTCACAATGCGGA
70	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAACCGCC
71	GGTGAAAATTTCTAGCCACGGGC	GCCCGTGGCTACGAAATTTTACC
72	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTCGG
73	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAACTGG
74	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
75	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
76	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
77	CAGGGCATGCAATAATCGAGGTTT	GAACCTCGATTATTGCATGCCCTG
78	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG
79	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
80	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
81	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGCGCCATC
82	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
83	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTGAGTGAAAT
84	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTAACCGTTCTCCCTG
85	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
86	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT
87	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTCA
90	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
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92	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
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96	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTGCGCGTTTCGTGGA
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98	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99	CGCTTTCGTGCGAATAGACGATGA	TCATCGTCTATTTCGCACGAAAGCG
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103	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105	CCTTCCAATGATTGCATACGCCCA	TGGGCGTATGCAATCATTGGAAGG
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107	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108	GCTCCCGTAACCTGTCCACCACTG	CACTGGTGGACAGGTTACGGGAGC
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110	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
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119	AGATAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT
120	GGTACCTCAACGCGAACCCTTGT	ACAAGTGGTTCGCGTTGAGGTACC
121	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
122	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGTTCTGCATAAGCTCT
123	ATCGGTCTCACGAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
124	TAGGTTGCCCGCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA
125	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
126	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTTCATCA
127	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
128	AACATTGCGCGGTCCACCAGGGTT	AACCCTGGTGGACCGCGCAATGTT
129	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCCC
130	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACGGGGACCAAGCTCGA
131	GTCTTGGGGGCGCTTAGTGAAAA	TTTTCATAAGCGGCCCCCAAGAC
132	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
133	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
134	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
135	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT

136	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
137	CGCACCAAAGTCTGAGTTTCCAGAC	GTCTGGGAAAGTCTGAGTTTGGTGG
138	ACCTGATCGTTCCCCTATTGGGAA	TTCCCAATAGGGGAACGATCAGGT
139	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCCTCTGTTCC
140	CCCTGCCTTGGCGTGTGCGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
141	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTGAGAGT
142	CTGACGGTTTTTCATTGCGCGTGCC	GGCAGCGCGAATGAAAACCGTCAG
143	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
144	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
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146	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTCTG
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149	AAAGGCTATTGAGTTGGTTGGGCG	CGCCCAACCAACTCAATAGCCTTT
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163	GGCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGGGGCC
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170	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
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172	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
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177	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTACCAGGTTCC
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179	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
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193	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
194	TTGCGAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
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218	CCCTAATGAGGCCAGTAACCTGCA	TGCAGGTTACTGGCCTCATTAGGG
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7	CGCATAGGTTGCCGATTTCTGTC	TTGACGAAATCGGCAACCTATGCG
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346	TGCACGCGGAACCTCCCTTTACCAT	ATGGTAAAGGGAGTTCGCGTGCA
347	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTGATTCAATTTGCTGCCA
348	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
349	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
350	ATGCCCTCCTTCATGGAAAGGGTT	AACCCTTTCCATGAAGGAGGGCAT
351	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
352	ATAGCGGAGTTTGGGTACGCGAAC	GTTTCGCTACCCAACTCCGCTAT
353	ACCTACGCATACCGCTTGCGGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGCCATTCAAGTAATC
355	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTGAGCGCATCATTCCG
357	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359	TCACGACAGACGGGCGGAGATTAC	GTAATCTCGGCCCCTGTGCTGA
360	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGGCCAAATTGCTT
361	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362	TTGTGAATCCGTTCTGTCCCCGAC	GTCGGGGACAGAACGGATTACAA
363	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGACGTTCCGGTGCA
366	GCCAGTATTCTCGGGTGTGGACG	CGTCCAACACCCGAGAATACTGGC
367	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCCGTCTTAGGTAGCGA
368	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369	CGCGTCCCAGCGCCCTTGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCAGGTAGGCTTCAT
371	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCCACGCCA
373	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374	GCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375	ATTACGGTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377	GGGCCGCATTCTTGATGTCCATT	GAATGGACATCAAGAATGCGGCCC
378	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCACATCCGAGG
379	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTCGTATCG
381	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA

382	CATACGATGTCCGGGCCGTGTGCGC	GCGACACGGCCCCGGACATCGTATG
383	ATCCGCGAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385	ATTGGAGTGTGTTTGGTGAATCCGC	GCGGATTCACCAAAACACTCCAAT
386	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTT
387	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCAAACCTTAAGCTTGACGGC
388	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCCACGATT
390	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC
391	ACCCGTGCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGTATCGCCCACCCGGAT
393	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394	GCAAAGTCCCCTGGAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTCTG
396	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACCTGCGCTCATGAG
397	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398	TCAAAGGCTCTTGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399	TCCGCTAATTTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
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9	TTGCTTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
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410	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCGGATTAGCGGGC
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414	TTTTCTGAGGGACACGCGGGCGTT	AACGCCCCGCGTGTCCCTCAGAAAA
415	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
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419	TAAAAGTTTCGCGGAGGTCGGGCT	AGCCCGACCTCCGCGAAACTTTTA
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421	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
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436	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCAGTCCTGGCGAC
438	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
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641	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGA CTG
643	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646	GCCGTAGGTTGCTCTTCACCGAAC	GTTCCGGTGAAGAGCAACCTACGGC
647	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651	TGTA CTGCGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652	AACGGGTATCGGAAGCGTAAAAGC	GCTTTTACGCTTCCGATACCCGTT
653	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCGAGTCCG
654	ATCGTT CAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA
657	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662	TTGCTCTTATCCTTGTCCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663	TTAAGGATCAGGCGGAGCTTGCA	CTGCAAGCTCCGCCTGATCCTTAA
664	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665	GCTCGATTTACGGCCCGTTGTTC	GAACAACGGGCGCGTAAATCGAGC
666	AGCAGAGTGCGTTGCAGAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667	TGGAGGTGAGGACGACGTGCACTA	TAGTGACGTCGTCTCACCTCCA
668	AACCGTTTAGGGTACATTCGCGGT	ACCGCGAATGTACCCTAAACGGTT

669	TATGATCGCTCGGCTCACAGTTTG	CAAACGTGAGCCGAGCGATCATA
670	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGCAGGTGGAATAACCGACA
672	CTATGGTTTGCAGTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673	AGCAGGGAAATTCAATCGTTCGCA	TGCGAACGATTGAATTTCCCTGCT
674	CCTAACCGAGCGCTTAGCATTTCC	GGAAATGCTAAGCGCTCGGTTAGG
675	CCCGACCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCACCATTAAGCAA
677	GATGCTCGCCGTGTTTAGTTCACG	CGTGAACATAACACGGCGAGCATC
678	TCGGATGACGAGTTCCATGACGG	CCGTCATGGAAACTCGTCATCCGA
679	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680	TTGCGAGGCTAAGCACACGGTAAA	TTTACCGTGTGCTTAGCCTCGCAA
681	AACTTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGCGGTAATTAAGTT
682	GTGACCGCGAACTTGTTCCGACAG	CTGTGGAACAAGTTCGCGGTAC
683	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684	TGATAGGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685	TCGCTCCGTAGCGATTATCGTAG	CTACGATGAATCGCTACGGAGCGA
686	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAGGGGTCCCGTGCTGTCAA	TTGACAGCACGGGACCCCTACACG
690	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCAGAATGCGAC
691	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692	AAGGGACCTTGGGTGACGGCGAGA	TCTCGCCGTCACCCAAGGTCCCTT
693	TCAAATGGCCACCGCGTGTCATTC	GAATGACACGCGGTGGCCATTTGA
694	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG
695	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAACTCTGTGGC
699	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAGCGTGGG
700	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTGAGTGGCT
702	CAGGATGAGCAAAGCGACTCTCCA	TGGAGAGTCGCTTTGCTCATCCTG
703	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACTTG
704	GGTGTTGCGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705	TTTAGTCGGACCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706	CACACGTTTCCGACCAGCCTGAAC	GTTACAGGCTGGTCGGAACGTGTG
707	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTCGTCCAG
708	TTACAATCCGCCGAAAACCTGACC	GGTCAGTTTTCGGCGGATTGTGAA
709	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT

710	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTCACGTCCAA
716	CTGAATCGCGCAAGTAAATGGGGG	CCCCATTTACTTGCGCGATTGAG
717	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718	CTAACAATTGCCAACCGGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719	GGTAACCTGGGTGCTTGCAAGTTA	TAACCTGCAAGCACCCAGGTTACC
720	ATCGGAGCCACCATTCGCATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723	AACGGTATCGTGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724	AGTAGTGGTCCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726	GCATAAGTGCGGCATCGGAAGGG	CCCTTCGCGATGCCGCACTTATGC
727	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTCG
728	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTGCGGAATCACTGCGA
729	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730	GCAACTTGACACGGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731	TCCGAGCTTGACGTTGCGGACGTC	GACGTCGCGAACGTCAAGCTCGGA
732	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT
733	TTCATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734	CGAACCGCTAATGCCATTGTGACG	CTGACAATGGGCATTAGCGGTTTCG
735	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTTGTCCCACCTTCCGTG
736	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGAAACGTAACGT
739	TATCGGATTGCGTGGGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744	CGGTGTTCCGCGTGTGCAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745	TCTAGCAGGCCTTTTGAATCGCCA	TGGCGATTCAAAGGCCTGCTAGA
746	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747	TCTTCTGTCATCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCTTTCAGGTTTCATCCGC
749	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAGTTTGGGGCCCC
750	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC

751	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCCGCCT
752	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTTCATGTTTCATCGT
754	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755	GTGCCGTATTTGACCTGTGCGTT	AACGCACAGGTGCGAAATACGGCAC
756	GCAGTGCGCACTTCAGTTCAAAAG	CTTTTGAAGTGAAGTGCAGTGC
757	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTACCTA
759	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760	CCCCTTACGGCTCGTCGTCTATGC	GCATAGACGACGAGCCGTAAGGGG
761	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCCGAGGCCGCTTACAGAAA
763	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764	TCTTGCCCTCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769	ATAGGTAGGATGTGCCCGGCGTTG	CAACGCCGGGCACATCCTACCTAT
770	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC
771	CTGGCTGTGTCGCATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772	CTAACGTCGTCTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773	TTTTCATAAACGTTGTCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTTCGTCTCCTGCT
775	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA
776	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777	TACATTCCCTGCCTCCGTGGGCTT	AAGCCACGAGGAGGCAGGGAATGTA
778	CGCTTCGCGTATTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTGACGCGTCCGA
780	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783	GTTTCATAGGCCACGCGTGCTAAA	TTAGCACGCGTGGCCTATGAAAC
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTAAGTGCAGCGATG

TABLE 4

Seq. ID No.	Decoder Sequence (5'-3') + 5' T	Probe Sequence (5'-3') + 5' T
17	TTTCGCCGTCGTGTAGGCTTTTCAA	TTTGAAAAGCCTACACGACGGCGAA
18	TGTTCCCAGTGAAGCTGCGATCTGG	TCCAGATCGCAGCTTCACTGGGAAC
19	TTACTTGGCATGGAATCCCTTACGC	TGCGTAAGGGATTCCATGCCAAGTA
20	TACTAGCATATTTCAAGGCACCGGC	TGCCGGTGCCCTGAAATATGCTAGT
21	TGAACGGTCAATGAACCCGCTGTGA	TTACAGCGGGTTCATTGACCGTTC
22	TGCGGCCCTTGGTTCAATATGAATCG	TCGATTCATATTGAACCAAGGCCGC
23	TGATCGTTAGAGGGACCTTGCCCGA	TTCGGGCAAGGTCCCTCTAACGATC
24	TTGGACCTAGTCCGGCAGTGACGAA	TTTCGTCACTGCCGGACTAGGTCCA
25	TATAAACTACCCAGGACGGGCGGAA	TTTCCGCCCGTCCTGGGTAGTTTAT
26	TCATCGGTTTCGCGCCAATCCAGATA	TTATCTGGATTGGCGCGAACCGATG
27	TGTCGGGCATAGAGCCGACCACCCT	TAGGGTGGTCGGCTCTATGCCCGAC
28	TCTTGGGTCATGATTACCGTGCTA	TTAGCACGGTGAATCATGACCCAAG
29	TTGCCTAACGTGCTAATCAGCAGCG	TCGCTGCTGATTAGCACGTTAGGCA
30	TCGCATGTTTGAGCATATGCCCTGA	TTCAGGGCATATGCTCCAACATGCG
31	TAGCCACTGCATCAGTGCTGTTCAA	TTTGAACAGCACTGATGCAGTGGCT
32	TGGTTGTTTTGAGGCGTCCCACACT	TAGTGTGGGACGCCTCAAAACAACC
33	TTCGACCAAGAGCAAGGGCGGACCA	TTGGTCCGCCCTTGCTCTTGGTCTGA
34	TGACATCGCTATTGCGCATGGATCA	TTGATCCATGCGCAATAGCGATGTC
35	TGAAATACGAAGTCTGCGGGAGTCG	TCGACTCCCGCAGACTTCGTATTTTC
36	TTGTCATGAATGATTGATCGCGCGA	TTGCGCGCATCAATCATTGATGACA
37	TATATCGGGATTTCGTTCCCGGTGAA	TTTCACCGGGAACGAATCCCGATAT
38	TGCGAGCGTACCGAAGGGCCTAGAA	TTTCTAGGCCCTTCGGTACGCTCGC
39	TTTACCGGCAGCGGACTTCCGAATT	TAATTCGGAAGTCCGCTGCCGGTAA
40	TGTAATCGAGAGCTGCGCGCCGTCT	TAGACGGCGCGCAGCTCTCGATTAC
41	TCCTGTTAGCGTAGGCGAGTCGATC	TGATCGACTCGCCTACGCTAACAGG
42	TTAGCGGACCGGCAGAATGAGTTCC	TGGAATCATTCTGCCGGTCCGCTA
43	TGGTACATGCACTACGCGCACTCGG	TCCGAGTGCGCGTAGTGATGTACC
44	TAATTCATCTCGGACTCCCGCGGTA	TTACCGCGGGAGTCCGAGATGAATT
45	TGCCAAATCTGGATTGGCAGGAATG	TCATTCTGCCAATCCAGATTTGGC
46	TTGCATTTTCGGTTGAGGCACATCC	TGGATGTGCCTCAACCGAAAATGCA
47	TCCGCTCAATTCACCATGCTTCGCT	TAGCGAAGCATGGTGAATTGAGCGG
48	TCTCGGAAAGGTGCAACTTTGGTGT	TACACCAAAGTTGCACCTTTCCGAG
49	TAATTCGACCAGCAGAACGTCCCAT	TATGGGACGTTCTGCTGGTCAATT
50	TGCCAGAGTCTCAACCTCACGGGAT	TATCCCGTGAGGTTGAGACTCTGGC
51	TCCAACAACCTGGAACGGGAACCCGC	TGCGGGTTCCCGTTCCAGTTGTTGG
52	TGAGAACTGATCGCTGAGGGGCATG	TCATGCCCTCAGCGATCAGTTCTC
53	TGGCACACTAGACTTGTGGCACCGA	TTCGGTGCCACAAGTCTAGTGTGCC

54	TTCACATCCAAATATGGTCCGCGAA	TTTCGCGGACCATATTTGGATGTGA
55	TGTCTGCCGGTGTGACCGCTTCATT	TAATGAAGCGGTACACCGGCAGAC
56	TCATCGCAGAGCATAAACACCCTCA	TTGAGGGTGTATATGCTCTGCGATG
57	TGTTGGTATCTATGGCAGAGGCGGA	TTCCGCCTCTGCCATAGATACCAAC
58	TACGAGGTGCCGCTGAGGTTCCATT	TAATGGAACCTCAGCGGCACCTCGT
59	TGGAATGAGTGGACCCAGGCACATT	TAATGTGCCTGGGTCCACTCATTCC
60	TTGTCAATATGCGTCCGTGTCGTCT	TAGACGACACGGACGCATATTGACA
61	TTGATGAGCCTCAGGGTACGAGGCA	TTGCCTCGTACCCTGAGGCTCATCA
62	TCACCGCGGTGTTCCCTACAGAATGA	TTCAATTCTGTAGGAACACCGCGGTG
63	TTTGTGCGCAATGGTGTCCGCTCGG	TCCGAGCGGACACCATTGGCAACAA
64	TTTAACCTGCGTCTGCCCCCTTTCCT	TAGGAAAGGGGCAGACGCAGGTTAA
65	TAGGCGCGTTCCTGCCTTAGTGACG	TCGTCACTAAGGCAGGAACGCGCCT
66	TTAGGGCGATGGCACGAAGCTTCAA	TTTGAAGCTTCGTGCCATCGCCCTA
67	TTGCATAGAGCCAAAGTCGGCGATG	TCATCGCCGACTTTGGCTCTATGCA
68	TTTGAGAGGCAGGTGGCCACACGGA	TTCCGTGTGGCCACCTGCCTCTCAA
69	TTCCGCATTGTGAGAAAAACGAGC	TGCTCGTTTTTCTCACAATGCGGA
70	TGGCGGTTTCCGTAGCTATAGGTGC	TGCACCTATAGCTACGGAAACCGCC
71	TGGTGAAAATTTTCGTAGCCACGGGC	TGCCCCGTGGCTACGAAATTTTACC
72	TCCGACGGAGGATGAAGACAATCAC	TGTGATTGTCTTCATCCTCCGTCCG
73	TCCAGTTTGGCCCAATTTCGCCAAA	TTTTTGGCGAATTGGGCCAAACTGG
74	TGGATCTATTAGGCCGTGCGCACAG	TCTGTGCGCACGGCCTAATAGATCC
75	TCGGATGTCACCGTTTGGACTTTCA	TTGAAAGTCCAAACGGTGACATCCG
76	TATCGCAAATCCTGCTCGTCCCTAA	TTTAGGGACGAGCAGGATTTGCGAT
77	TCAGGGCATGCAATAATCGAGGTTT	TGAACCTCGATTATTGCATGCCCTG
78	TCATGCGTTGATATATGGGCCCAAG	TCTTGGGCCCATATATCAACGCATG
79	TCAGCTGCAGCTTGTGACCAACCAC	TGTGGTTGGTCACAAGCTGCAGCTG
80	TTTGATGTCTGCCGACCGGCGACC	TGGTCGCCGGTCCGGCAGACATACAA
81	TGATGGCGCCCGTTGATAGGTATGG	TCCATACCTATCAACGGGCGCCATC
82	TATGAGAATCGCCGGCAATCTGCTA	TTAGCAGATTGCCGGCGATTCTCAT
83	TATTTGCACTGACCGCAGGCTCGTG	TCACGAGCCTGCGGTCAGTGCAAA
84	TCAGGGAGAACGGTTAAGTTCCCGT	TACGGGAACCTTAACCGTTCTCCCTG
85	TAGGCCGGCGATCGAGGAGTTTGGT	TACCAAACCTCCTCGATCGCCGGCCT
86	TACACGGTGGTCTCTGATAGCGACC	TGGTCGCTATCAGAGACCACCGTGT
87	TGTGCAACGCCGAGGACTTCCATCA	TTGATGGAAGTCCCTCGGCGTTGCAC
88	TTCCGGTGCCTGATAGCCATTCCGAT	TATCGGAATGGCTATCAGGCACCGA
89	TTGAAATACCACACAGCCAATTGGC	TGCCAATTGGCTGTGTGGTATTTCA
90	TGCATCGTGTACATGACTGCCGCGA	TTCCGCGGCAGTCATGTACACGATGC
91	TCAGTGTCTAACGGCGCGCGTGAA	TTTCACGCGCGCCGTTAGAACACTG
92	TCGCTTGCAACGTTGCACCTACTCT	TAGAGTAGGTGCAACGTTGCAAGCG
93	TCGAAAACTAGTGGGCTCGCCGCG	TCGCGGCGAGCCCACTAGTTTTTCG
94	TCTTTCAGGGGAACTGCCGGAGTCG	TCGACTCCGGCAGTTCCTTCCCTGAAAG

95	TTTGTGGCCTTCTTGTAAGGCACG	TCGTGCCTTTACAAGAAGGCCACAA
96	TTCCACGAACGGCGACCCGTTGTCT	TAGACAACGGGTGCGCGTTTCGTGGA
97	TCGACCTTGCACGAAACCTAACGAG	TCTCGTTAGGTTTCGTGCAAGGTCG
98	TGTGCAGCTTCACGAGCCAGCCTGA	TTCAGGCTGGCTCGTGAAGCTGCAC
99	TCGCTTTTCGTGCGAATAGACGATGA	TTCATCGTCTATTTCGCACGAAAGCG
100	TTGCGCTTACAGGCTCCTAGTGGTC	TGACCACTAGGAGCCTGTAAGCGCA
101	TCACGCGCTTAGTCGCGATCGCATA	TTATGCGATCGCGACTAAGCGCGTG
102	TCGGAGGGAGGGAGCTAGCCTTCGA	TTCGAAGGCTAGCTCCCTCCCTCCG
103	TGCATCCGGCCTGTTGATGACGCCT	TAGGCGTCATCAACAGGCCGGATGC
104	TAGGCCAATCGATCTTATTGCCGAG	TCTCGGCAATAAGATCGATTGGCCT
105	TCCTTCCAATGATTGCATACGCCCA	TTGGGCGTATGCAATCATTGGAAGG
106	TAACACTTGATCAGGCGGGTTCGTCT	TAGACGACCCGCTGATCAAGTGTT
107	TTGGAATCAAGGCCGTAAAGGACAG	TCTGTCCTTTACGGCCTTGATTCCA
108	TGCTCCCGTAACCTGTCCACCAGTG	TCACTGGTGGACAGGTTACGGGAGC
109	TAGTGGTGAATGGCCGCTACCCTGA	TTCAGGGTAGCGGCCATTCACT
110	TTGTTGAAGCGAGCTAAAACGGCCA	TTGGCCGTTTTAGCTCGCTTCAACA
111	TCAGCGCTCCAGAATTGACAGCAAT	TATTGCTGTCAATTCTGGAGCGCTG
2	TTTCGAAGCGCACGTCCCTTTTCAA	TTTGAAAAGGGACGTGCGCTTCGAA
3	TAACGCGTGGGGAATGGGACATCAA	TTTGATGTCCCATTCCTCCACGCGTT
114	TCACGAGATACCGGCGTAAGGGTGG	TCCACCCTTACGCCGGTATCTCGTG
115	TCTACGGCAAACGTGTGGAATGGGT	TACCCATTCCACACGTTTGCCGTAG
116	TGTAGGGCGATGACGGGCGAACTAC	TGTAGTTCGCCCGTCATCGCCCTAC
117	TAATCGACCTCCGCACACATTGCA	TTGCGAATGTGTGCGGAGGTGATT
118	TGAGTCAGCATGGCGGCGGAGATTC	TGAATCTCCGCCGCCATGCTGACTC
119	TAGATAAAGACGCTGGCAACACGGG	TCCCGTGTTGCCAGCGTCTTTATCT
120	TGGTACCTCAACGCGAACCCTTGT	TACAAGTGGTTCGCGTTGAGGTACC
121	TAAGCGATGGCTACCCAAGAGCGAT	TATCGCTCTTGGGTAGCCATCGCTT
122	TAGAGCTTATGCAGAACCAGGCGCC	TGGCGCCTGGTTCTGCATAAGCTCT
123	TATCGGTCTCACGCAGGGTTGGATA	TTATCCAACCCTGCGTGAGACCGAT
124	TTAGGTTGCCCGCCAGAAGAAACAT	TATGTTTCTTCTGGCGGGCAACCTA
125	TCGGTGCTGTTGCAAAAGCCTGTAG	TCTACAGGCTTTTGCAACAGCACCG
126	TTGATGAAAGTTTGCGGCAGGACAC	TGTGTCCTGCCGCAAACCTTTCATCA
127	TGTTGAGTGCAGGATGCAGCGATAG	TCTATCGCTGCATCCTGCACTCAAC
128	TAACATTGCGCGGTCCACCAGGGTT	TAACCCTGGTGGACCGCGCAATGTT
129	TGGGCAGTTAGAGAGGGCCAGAAGT	TACTTCTGGCCCTCTCTAACTGCCC
130	TTGAGCTGGTCCCCGTGAACGTGT	TACACGTTACGGGGACCAGCTCGA
131	TGTCTTGGGGGCCGCTTAGTGAAAA	TTTTTCACTAAGCGGCCCCCAAGAC
132	TACTGTTGGCTTGCTCTCATGTCCA	TTGGACATGAGAGCAAGCCAACAGT
133	TAGGACCATTTCGAAGGCGAAGATA	TTATCTTCGCCTTCCGAATGGTCCT
134	TCTTGGGAGGCATCCGCTATAAGGA	TTCTTATAGCGGATGCCTCCCAAG
135	TAATAAACGGAACGCACCGCTACAG	TCTGTAGCGGTGCGTTCCGTTTATT



136	TTTGTACGTGCGGTCCCCATAAGCA	TTGCTTATGGGGACCGCACGTACAA
137	TCGCACCAAACCTGAGTTTCCCAGAC	TGTCTGGGAAACTCAGTTTGGTGCG
138	TACCTGATCGTTCCCTATTGGGAA	TTTCCAATAGGGGAACGATCAGGT
139	TGGAACAGAGGCGAGGGGACTGAGC	TGCTCAGTCCCCTCGCCTCTGTTCC
140	TCCCTGCCTTGGCGTGTCGGCTTAT	TATAAGCCGACACGCCAAGGCAGGG
141	TACTCTGACACGCCAACTCCGGAAG	TCTTCCGGAGTTGGCGTGTCAGAGT
142	TCTGACGGTTTTTCATTGCGCGTGCC	TGGCACGCCGAATGAAAACCGTCAG
143	TTGCGGTGGTTTATTGGAGCTGGCC	TGGCCAGCTCCAATGAACCACCGCA
144	TGCATGGCCAACTAGTGAAGTCGAA	TTTGCGAGTCACTAGTTGGCCATGC
145	TAGGCCGTAAAGCGAATCTCACCTG	TCAGGTGAGATTTCGCTTTACGGCCT
146	TCGAATATTATGCCGAGAATCCGCG	TCGCGGATTCTCGGCATAATATTCCG
147	TACAGACGAGCTCCCAACCACATGA	TTTATGTGGTTGGGAGCTCGTCTGT
148	TGGACGGTTTGTGCTGGATTGTCTG	TCAGACAATCCAGCACAAACCGTCC
149	TAAAGGCTATTGAGTTGGTTGGGCG	TCGCCCCAACCAACTCAATAGCCTTT
150	TGATGGCCTATTCGGAGATCGGGCC	TGGCCCGATCTCCGAATAGGCCATC
151	TGATCCAGTAGGCAGCTTCATCCCA	TTGGGATGAAGCTGCCTACTGGATC
152	TAATAACTCGCGCGGGTATGCTTCT	TAGAAGCATACCCGCGCGAGTTATT
153	TGGAGGAGGTTTGTCTCGGAAAGCA	TTGCTTTCCGAGACAAACCTCCTCC
154	TCTTTGGTATGGCACATGCTGCCCG	TCGGGCAGCATGTGCCATACCAAAG
155	TAGAAAGGCTCGAGCAACGGGAACT	TAGTTCCCGTTGCTCGAGCCTTTCT
156	TAATCTACCGCACTGGTCCGCAAGT	TACTTGCGGACCAGTGCGGTAGATT
157	TCGTGGCGGCCACAGTTTTTGGAGG	TCCTCCAAAACCTGTGGCCGCCACG
158	TTTGCAGTTCAATCCATACGCACGT	TACGTGCGTATGGATTGAAGTCAA
159	TGGCCCAAAGCCCCAGACCATTTTA	TTAAAATGGTCTGGGGCTTTGGGCC
160	TCGCCTGTCTTTGTCTCCGGACAAT	TATTGTCCGGAGACAAAGACAGGCG
161	TTGAGGCAACAGGGGGCCAAAACTA	TTAGTTTTTGGCCCCTGTTGCCTCA
162	TAGCGGAAGTAGTCCTCGGCTCGTC	TGACGAGCCGAGGACTACTTCCGCT
163	TGGCCCCAAGGCTTAGAGATAGTGG	TCCACTATCTCTAAGCCTTGGGGCC
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165	TAGCGGCAGAAACGTTCTTGACGG	TCCGTCAAGGAACGTTTCTGCCGCT
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167	TTCTTTGCCGCGTAAGTACTGCTT	TAAGCAGTCAGTTACGCGGCAAAGA
168	TTTTATGTGCCAAGGGGTTAACCGA	TTCGGTAAACCCCTTGGCACATAAA
169	TTGTTACTGTGGTTCACGGCAGTCC	TGGACTGCCGTGAACCACAGTAACA
170	TCGCGCCTCGCTAGACCTTTTATTG	TCAATAAAAGGTCTAGCGAGGCGCG
171	TACAAATGCGTGAGAGCTCCCAACT	TAGTTGGGAGCTCTCACGCATTTGT
172	TCGCGCAGATTATAGACCCGAATGT	TACATTCGGGTCTATAATCTGCGCG
173	TCAAATAACGCCGCTGAATCGGCGT	TACGCCGATTTCAGCGGCGTTATTTG
174	TCCTTCGTGCATCGGTGATGATGTT	TAACATCATCACCGATGCACGAAGG
175	TTGAACACGAGCAACACTCCAACGC	TGCGTTGGAGTGTTGCTCGTGTTCA
176	TCAGCAGATCCTTCGTAGCGGTCTG	TACGACCGCTACGAAGGATCTGCTG



177	TGGAACCTGGTGAGTTGTGCCTCAT	TATGAGGCACAACCTACCAGGTTCC
178	TTCATAAGCGACAATCGCGGGCTTA	TTAAGCCCGCGATTGTGCGTTATGA
179	TCCCAACGTCACTGAAGCTCACAGT	TACTGTGAGCTTCAGTGACGTTGGG
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181	TTACACGAAGCCTCTCCGTGGTCCA	TTGGACCACGGAGAGGCTTCGTGTA
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185	TACTCTCGAGGGAGTCTCTGGCACA	TTGTGCCAGAGACTCCCTCGAGAGT
186	TTTGCCAGGTCCATCGAGACCTGTT	TAACAGGTCTCGATGGACCTGGCAA
187	TTCCACTATAACTGCGGGTCCGTGT	TACACGGACCCGCGAGTTATAGTGGA
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190	TTAAAATAAGCGCCTGGCGGGAGGA	TTCTCCCGCCAGGCGCTTATTTTA
191	TGCGCACTCGTGAAACCTTTCTCGC	TGCGAGAAAGGTTTCACGAGTGCGC
192	TAGTTTGCCAGGTACTGGCAAGTGC	TGCACTTGCCAGTACCTGGCAAACCT
193	TACAACGAGGGATGTCCAGCGGCAT	TATGCCGCTGGACATCCCTCGTTGT
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195	TTAACCCGATTTTTGCGACTCTGCC	TGGCAGAGTCGAAAAATCGGGTTA
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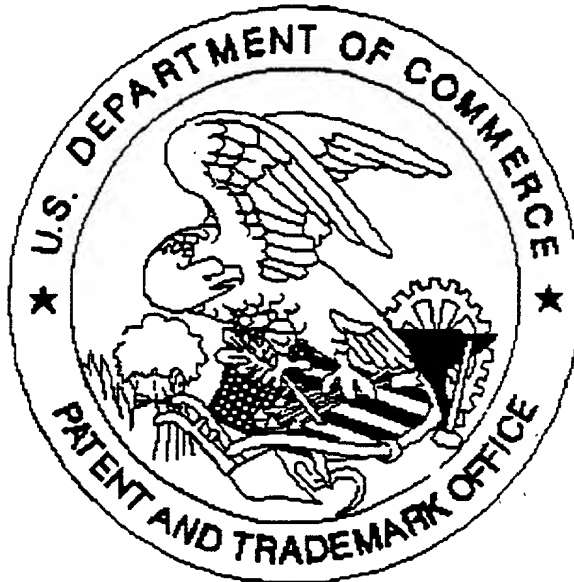
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727	TCGACAAGATGCAGCTGCTACATGC	TGCATGTAGCAGCTGCATCTTGTGC
728	TTCGCAGTGATTCCCGACCGATAAG	TCTTATCGGTGCGGAATCACTGCGA
729	TCAAGGCGAGTCCACTCGAGGGGAC	TGTCCCCTCGAGTGGACTCGCCTTG
730	TGCAACTTGACGGCATAAGTGGCC	TGGCCACTTATGCCGTGCAAGTTGC
731	TTCCGAGCTTGACGTTGCGGACGTC	TGACGTCGCGAACGTCAAGCTCGGA
732	TAGCGCTGGGCTGTGCTGCCATCTC	TGAGATGGCAGCACAGCCCAGCGCT
733	TTTCATGTCGCTGAGTAACCCTCGC	TGCGAGGGTTACTCAGCGACATGAA
734	TCGAACCGCTAATGCCATTGTGAG	TCTGACAATGGGCATTAGCGGTTG
735	TCACGGAAGGTGGGACAAATCGCCG	TCGGCGATTTGTCCCACCTTCCGTG
736	TCACAGATGGAGACAAACGCGCCTT	TAAGGCGCGTTTGTCTCCATCTGTG
737	TTTTTCGCAACTCGCTCCATAACCC	TGGGTTATGGAGCGAGTTGCGAAAA
738	TACGTTACGTTTCCGGCGCCTCTAA	TTTAGAGGCGCCGGAAACGTAACGT
739	TTATCGGATTGCGTGGGTTTCAATC	TGATTGAAACCCACGCAATCCGATA
740	TCTTCCACAATTGTCTGCGACGCAC	TGTGCGTCGCAGACAATTGTGGAAG
741	TTGCACAAAGGTATGGCTGTCCGGC	TGCCGGACAGCCATACCTTTGTGCA
742	TTCCGATGCCAGTCCCATCTTAAGA	TTCTTAAGATGGGACTGGCATCGGA
743	TCTGAAACCGTGCGAATCGAGGTGA	TTACCTCGATTGCGACGGTTTCAG
744	TCGGTGTTCCGCGTGTGAAAAAAT	TATTTTTTCGACACGCGGAACACCG
745	TTCTAGCAGGCCTTTGAATCGCCA	TTGGCGATTCAAAGGCCTGCTAGA
746	TGAGTCACCTCTGAGACGGACGCCA	TTGGCGTCCGTCTCAGAGGTGACTC
747	TTCTTCTGTCATCCTGCAGCAGCAT	TATGCTGCTGCAGGATGACAGAAGA
748	TGCGGATGAAACCTGAAAGGGGCCT	TAGGCCCTTTTCAAGTTTTCATCCGC
749	TGGGGCCCCAACTGGTATCAAGCC	TGGCTTGATACCAGTTTGGGGCCCC
750	TGCATTGGCTTCGGATTCTCCTACA	TTGTAGGAGAATCCGAAGCCAATGC

751	TAGGCGGCCCAACTGTGAGGTCTTG	TCAAGACCTCACAGTTGGGCGCCT
752	TACACCATGTGCTCCGCGCTGCAGT	TACTGCAGCGCGGAGCACATGGTGT
753	TACGATGAACATGAATCGGGAGTCG	TCGACTCCCGATTTCATGTTTCATCGT
754	TCTGCATCCCTGTAGCAGCGCTCCG	TCGGAGCGCTGCTACAGGGATGCAG
755	TGTGCCGTATTTTCGACCTGTGCGTT	TAACGCACAGGTGCGAAATACGGCAC
756	TGCAGTGCGCACTTCAGTTCAAAG	TCTTTTGAAGTGAAGTGCAGTGC
757	TGCGATTTTAAGCGATGCCTTGACG	TCGTCAAGGCATCGCTTAAAATCGC
758	TTAGGTGACCTAGGCTTGCTTGCGG	TCCGCAAGCAAGCCTAGGTACCTA
759	TCTGGATACCTTGCTGTGCGGCGC	TGCGCCGCACAGGCAAGGTATCCAG
760	TCCCCTTACGGCTCGTCGTCTATGC	TGCATAGACGACGAGCCGTAAGGGG
761	TGCGCTTGCCCGATGCGATGCATTA	TTAATGCATCGCATCGGGCAAGCGC
762	TTTTCTGTAAGCGGCCTGGGGTTCA	TTGAACCCAGGCGCTTACAGAAA
763	TGGCTGAGGTGAGCGGTAAGGATGA	TTTCATCCTTACCGCTCACCTCAGCC
764	TTCTTGCCCTCCCCGATCTAATTTG	TCAAATTAGATCGGGGAGGCCAAGA
765	TGGAGGTAACGCCGTGTACGTAGGA	TTCTTACGTACACGGCGTTACCTCC
766	TGTAATCCATTTGTGGCTGCGTCAA	TTTGACGCAGCCACAAATGGATTAC
767	TCAAACCCATTCCAGCAGACGCCTG	TCAGGCGTCTGCTGGAATGGGTTTG
768	TTAGGAGGAATTTGGCATGCGGGCG	TCGCCCCGCATGCCAAATTCCTCCTA
769	TATAGGTAGGATGTGCCCGGCGTTG	TCAACGCCGGGCACATCCTACCTAT
770	TGCAAGTGCTTAGCTCGTCAGCCTC	TGAGGCTGACGAGCTAAGCACTTGC
771	TCTGGCTGTGTGCGCATCTCGTTAAC	TGTTAACGAGATGCGACACAGCCAG
772	TCTAACGTCTCTCGCGCAATCACT	TAGTGATTGCGCGAGACGACGTTAG
773	TTTTTCATAAACGTTGTCCCCGAGC	TGCTCGGGGACAACGTTTATGAAAA
774	TAGCAGGAGGACGAACCTCCGCTCC	TGGAGCGGAGGTTTCGTCCTCCTGCT
775	TTTCAAGCACCATCGTGCAATCCAA	TTTGATTGCACGATGGTGCTTGAA
776	TAGCGTCGCCAGTGATCGCTAGTGG	TCCACTAGCGATCACTGGCGACGCT
777	TTACATTCCCTGCCTCCGTGGGCTT	TAAGCCCACGGAGGCAGGGAATGTA
778	TCGCTTCGCGTATTCAGTAGCGGTT	TAACCGCTACTGAATACGCGAAGCG
779	TTCGGACGCGTCGACACTCATTATA	TTATAATGAGTGTGACGCGTCCGA
780	TTCTGAGCAGGCCAGCGCTCCAGCT	TAGCTGGAGCGCTGGCCTGCTCAGA
781	TTTGAATTGCCAAGCCCTGAAAGCC	TGGCTTTCAGGGCTTGGCAATTCAA
782	TAGTTTTCGCCTTGATGCGTCGGTG	TCACCGACGCATCAAGGCGAAAAC
783	TGTTTCATAGGCCACGCGTGCTAAA	TTTTCAGCACGCGTGGCCTATGAAAC
16	TCATCGCTGCAAGTACCGCACTCAA	TTTGAGTGCGGTACTTGCAGCGATG

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The pages 44, to pages 254. They are Table

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